
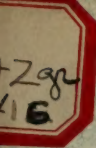


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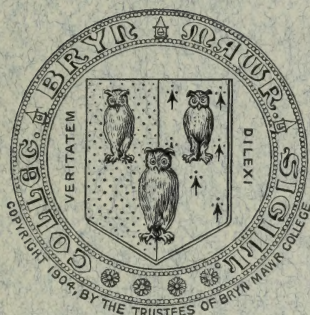
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BRYN MAWR COLLEGE

CALENDAR

GRADUATE COURSES

1915



BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College,
March, 1915.

Volume VIII, Part 2.

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BRYN MAWR COLLEGE CALENDAR

1915.

PART 1. Register of Alumnæ and Former Students.

PART 2. Graduate Courses.

PART 3. Undergraduate and Graduate Courses.

PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1915.														1916.													
JANUARY.							JULY.							JANUARY.							FEBRUARY.						
Su.	M.	Tu.	W.	Th.	Fr.	Sa.	Su.	M.	Tu.	W.	Th.	Fr.	Sa.	Su.	M.	Tu.	W.	Th.	Fr.	Sa.	Su.	M.	Tu.	W.	Th.	Fr.	Sa.
3	4	5	6	7	1	2	4	5	6	7	8	9	10	2	3	4	5	6	7	1	6	7	8	9	10	11	12
10	11	12	13	14	15	16	11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
17	18	19	20	21	22	23	18	19	20	21	22	23	24	16	17	18	19	20	21	22	23	24	25	26	27	28	29
24	25	26	27	28	29	30	25	26	27	28	29	30	31	23	24	25	26	27	28	29	27	28	29	30	31	..	..
31	..	..	..	..	..	..	..	..	..	..	..	..	..	30	31	..	..	..	..	..	..	..	..	..	..	..	..
FEBRUARY.							AUGUST.							FEBRUARY.							MARCH.						
7	8	9	10	11	12	13	1	2	3	4	5	6	7	6	7	8	9	10	11	12	5	6	7	8	9	10	11
14	15	16	17	18	19	20	15	16	17	18	19	20	21	13	14	15	16	17	18	19	12	13	14	15	16	17	18
21	22	23	24	25	26	27	22	23	24	25	26	27	28	20	21	22	23	24	25	26	19	20	21	22	23	24	25
28	..	..	..	..	..	..	29	30	31	..	..	..	..	27	28	29	..	..	..	..	..	..	..	..	..	..	..
MARCH.							SEPTEMBER.							MARCH.							APRIL.						
7	8	9	10	11	12	13	5	6	7	8	9	10	11	5	6	7	8	9	10	11	12	13	14	15	16	17	18
14	15	16	17	18	19	20	12	13	14	15	16	17	18	19	20	21	22	23	24	25	19	20	21	22	23	24	25
21	22	23	24	25	26	27	19	20	21	22	23	24	25	26	27	28	29	30	31	..	..	..	..	..	..	..	..
28	29	30	31	..	..	..	26	27	28	29	30	..	..	26	27	28	29	30	31	..	..	..	..	..	..	..	..
APRIL.							OCTOBER.							APRIL.							MAY.						
4	5	6	7	8	9	10	3	4	5	6	7	8	9	2	3	4	5	6	7	8	7	8	9	10	11	12	13
11	12	13	14	15	16	17	10	11	12	13	14	15	16	9	10	11	12	13	14	15	16	17	18	19	20	21	22
18	19	20	21	22	23	24	17	18	19	20	21	22	23	16	17	18	19	20	21	22	23	24	25	26	27	28	29
25	26	27	28	29	30	..	24	25	26	27	28	29	30	23	24	25	26	27	28	29	..	..	..	..	..	..	..
31	..	..	..	..	..	..	31	..	..	..	..	..	..	30	..	..	..	..	..	..	..	..	..	..	..	..	..
MAY.							NOVEMBER.							MAY.							JUNE.						
2	3	4	5	6	7	8	7	8	9	10	11	12	13	2	3	4	5	6	7	8	4	5	6	7	8	9	10
9	10	11	12	13	14	15	14	15	16	17	18	19	20	9	10	11	12	13	14	15	11	12	13	14	15	16	17
16	17	18	19	20	21	22	21	22	23	24	25	26	27	16	17	18	19	20	21	22	18	19	20	21	22	23	24
23	24	25	26	27	28	29	28	29	30	..	..	..	..	23	24	25	26	27	28	29	25	26	27	28	29	30	..
30	31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
JUNE.							DECEMBER.							JUNE.							JUNE.						
6	7	8	9	10	11	12	5	6	7	8	9	10	11	4	5	6	7	8	9	10	11	12	13	14	15	16	17
13	14	15	16	17	18	19	12	13	14	15	16	17	18	11	12	13	14	15	16	17	18	19	20	21	22	23	24
20	21	22	23	24	25	26	19	20	21	22	23	24	25	18	19	20	21	22	23	24	25	26	27	28	29	30	..
27	28	29	30	..	..	..	26	27	28	29	30	31	..	25	26	27	28	29	30	..	..	..	..	..	..	..	..

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 1st, 1916.

ACADEMIC YEAR, 1915-16.

September 21st.	Matriculation examinations begin.
September 27th.	Registration of students. Halls of Residence open for students at three p. m.
September 28th.	Registration of students. Matriculation examinations end.
September 29th.	The work of the thirty-first academic year begins at a quarter to nine o'clock.
September 30th.	Examinations for advanced standing begin.
October 9th.	Senior oral examination in French.
October 16th.	Senior oral examination in German.
October 21st.	Examinations for advanced standing end.
November 15th.	Collegiate and matriculation condition examinations begin.
November 23rd.	Collegiate and matriculation condition examinations end.
November 24th.	Thanksgiving vacation begins at one o'clock.
November 29th.	Thanksgiving vacation ends at nine o'clock.
December 4th.	Senior oral examination in French.
December 11th.	Senior oral examination in German.
December 21st.	Christmas vacation begins at one o'clock.
January 5th.	Christmas vacation ends at nine o'clock.
January 13th.	Matriculation examinations begin.
January 18th.	Matriculation examinations end.
January 19th.	Half-yearly collegiate examinations begin.
January 29th.	Collegiate examinations end. Annual meeting of the Alumnae Association.
January 31st.	Vacation.
February 1st.	Vacation.
February 2nd.	The work of the second semester begins at a quarter to nine o'clock.
February 3rd.	Examinations for advanced standing begin.
February 24th.	Examinations for advanced standing end.
March 11th.	Senior oral examination in French.
March 15th.	Mid-semester examination in matriculation Greek.
March 17th.	Announcement of European Fellowships.
March 18th.	Senior oral examination in German.
April 10th.	Collegiate and matriculation condition examinations begin.
April 18th.	Collegiate and matriculation condition examinations end.
April 19th.	Easter vacation begins at one o'clock.
April 27th.	Easter vacation ends at nine o'clock.
May 6th.	Senior oral examinations in French and German.
May 16th.	Vacation.
May 17th.	Collegiate examinations begin.

May 25th.	Matriculation examinations begin.
May 27th.	Collegiate examinations end.
May 31st.	Matriculation examinations end.
June 1st.	Conferring of degrees and close of thirty-first academic year.

ACADEMIC YEAR, 1916-17.

September 25th.	Matriculation examinations begin.
October 2nd.	Registration of students. Halls of Residence open for students at three p. m.
October 3rd.	Registration of students. Matriculation examinations end.
October 4th.	The work of the thirty-second academic year begins at a quarter to nine o'clock.

CORPORATION.

JAMES WOOD,
President.

ASA S. WING,
Treasurer.

ANNA RHOADS LADD,
Secretary.

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RUFUS M. JONES.
ALEXANDER C. WOOD.
M. CAREY THOMAS.
FRANCIS R. COPE, JR.
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CHARLES J. RHOADS.
THOMAS RAEBURN WHITE.
FREDERIC H. STRAWBRIDGE.
ABRAM F. HUSTON.
ANNA RHOADS LADD.
ARTHUR HENRY THOMAS.

WILLIAM C. DENNIS.

BOARD OF DIRECTORS.

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THOMAS RAEBURN WHITE.

FREDERIC H. STRAWBRIDGE.
ELIZABETH BUTLER KIRKBRIDE.
MARY E. GARRETT.*
ANNA RHOADS LADD.
ABRAM F. HUSTON.
ARTHUR HENRY THOMAS.
WILLIAM C. DENNIS.
ELIZABETH NIELDS BANCROFT.

* Died, April 3rd, 1915.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1914-15.

*President,*M. CAREY THOMAS, PH.D., LL.D.
Office: Taylor Hall.*Dean of the College,*MARION REILLY, A.B.
Office: Taylor Hall.*Recording Dean and Assistant to the President,*ISABEL MADDISON, B.Sc., PH.D.
Office: Taylor Hall.*Secretary,*

EDITH ORLADY, A.B. Office: Taylor Hall.

Recording Secretary,

ABIGAIL CAMP DIMON, A.M. Office: Taylor Hall.

Wardens of the Halls of Residence,

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

RUTH BABCOCK, A.B., Merion Hall.

MARGARET BONTECOU, A.B., Denbigh Hall.

MARY FRANCES NEARING, A.B., Rockefeller Hall.

BERTHA SOPHIE EHLERS, A.B., Radnor Hall.

ELIZABETH EVANS LORD, A.B., Assistant to the Warden of Pembroke Hall.

Comptroller,

SANDY L. HURST. Office: Taylor Hall.

Business Manager,

LOUISE WATSON, A.B. Office: Taylor Hall.

Assistant Business Manager,

LAURA LAURENSEN BYRNE, A.B., Office: Taylor Hall.

Junior Bursar,

MARGARET A. PROCTOR, B.A. Office: Rockefeller Hall.

Librarian,

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

Director of Athletics and Gymnastics and Supervisor of Health Department,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician in Chief,*THOMAS F. BRANSON, M.D. Office hours, 8.30 to 9.30 and 2 to 3 daily,
Rosemont, Pa.*Assistant Physician,*FRANCES R. SPRAGUE, M.D. Pembroke Road, Bryn Mawr; Office hours,
The Infirmary, Bryn Mawr College, 4 to 5.30 daily except Sunday.*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1433 Spruce Street,
Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1914-15.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnae Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., LL.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891. Director of the American School of Oriental Study and Research in Palestine, 1902-03; LL.D., Haverford College, 1914.

FLORENCE BASCOM* PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, † PH.D., *Professor of Psychology and Education.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895. Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

* Granted leave of absence for the year 1915-16.

† Granted leave of absence for the year 1914-15.

WILLIAM BASHFORD HUFF, Ph.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, Ph.D., *Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY,* A.B., *Professor of English.*

A.B., Bryn Mawr College, 1893. University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

KARL DETLEV JESSEN, Ph.D., *Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901. University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, Ph.D., *Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903. Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

DAVID HILT TENNENT, Ph.D., *Professor of Biology.*

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

CARLETON FAIRCHILD BROWN, Ph.D., *Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

JAMES BARNES,† Ph.D., *Associate Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

RICHARD THAYER HOLBROOK, Ph.D., *Associate Professor of French Philology and Italian.*

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

THEODORE DE LEO DE LAGUNA,‡ Ph.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION REILLY, A.B., *Dean of the College and Reader in Philosophy.*

A.B., Bryn Mawr College, 1901. Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newnham College, University of Cambridge, Spring 1907; Universities of Rome and Sienna, 1911-12.

MARION PARRIS SMITH, Ph.D., *Associate Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1909. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

FREDERICK HUTTON GETMAN, Ph.D., *Associate Professor of Chemistry.*

Ph.D., Johns Hopkins University, 1903. Rensselaer Polytechnic Institute, 1893-96; University of Virginia, 1896-97; Fellow in Chemistry, Johns Hopkins University, 1902-03, and Fellow by Courtesy, 1903-04; Carnegie Research Assistant in Physical Chemistry, 1903-04; Lecturer in Physical Chemistry, College of the City of New York, 1904-05, and Lecturer in Physics, Columbia University, 1907-08.

* Granted leave of absence for the year 1915-16.

† Granted leave of absence for the year 1914-15.

CLARENCE ERROL FERREE, PH.D., *Associate Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

ORIE LATHAM HATCHER, PH.D., *Associate Professor of Comparative Literature and Elizabethan Literature.*

A.B., Vassar College, 1888; Ph.D., University of Chicago, 1903. Graduate Student, University of Chicago, 1901-03, and Fellow in English, 1903-04.

AGATHE LASCH, PH.D., *Associate Professor of Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examination *pro facultate docendi*, Karlsruhe, 1910.

GRACE MEAD ANDRUS DE LAGUNA,* PH.D., *Associate in Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, PH.D., *Director of English Essay Work and Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

KATE GORDON, PH.D., *Associate Professor of Education.*

Ph.B., University of Chicago, 1900, and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers' College, Columbia University, 1906-07; Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12.

CLARENCE HENRY HARING, A.B., B. LITT., *Associate in History.*

A.B., Harvard University, 1907; B. Litt., University of Oxford, 1909. Rhodes Scholar, University of Oxford, 1907-10; John Harvard Fellow of Harvard University, 1908-10; Austin Teaching Fellow in Harvard College, 1910-11; Bayard Cutting Travelling Fellow in History, Harvard University, and Student, University of Berlin, 1911-12.

JAMES FULTON FERGUSON, PH.D., *Associate in Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906, A.M., 1907, and Ph.D., 1912. Fellow, Yale University, 1906-09; Instructor in Williams College, 1909-10; Instructor in Greek and Latin, Yale College, 1910-12.

THOMAS CLACHAR BROWN, PH.D., *Associate in Geology.*

A.B., Amherst College, 1904; A.M., Columbia University, 1905, and Ph.D., 1909. Assistant in Palaeontology, Columbia University, 1905-07; Geologist to the Board of Water Supply of New York City, 1907-09; Assistant Professor of Geology, Middlebury College, 1909-11; Non-resident Lecturer in Geology, Norwich University, 1909; Assistant Professor of Geology, Pennsylvania State College, 1911-12.

JAMES RYALS CONNER, PH.D., *Associate Professor of Mathematics.*

A.B., University of Georgia, 1898; Ph.D., Johns Hopkins University, 1909. Johns Hopkins University, 1906-12, Fellow, 1907-09, Carnegie Research Assistant, 1909-11, Johnston Scholar and Fellow by Courtesy, Johns Hopkins University, 1911-12.

ROGER FREDERIC BRUNEL, PH.D., *Associate Professor of Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, PH.D., *Phebe Anna Thorne Associate Professor of Education and Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03; Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

* Granted leave of absence for the year 1914-15.

ARTHUR RUSSELL MOORE, PH.D., *Associate Professor of Physiology.*

A.B., University of Nebraska, 1904; Ph.D., University of California, 1911. Assistant in Physiology, University of California, 1909-11, and Assistant Professor of Physiology, 1911-13.

DONALD FISHER, PH.D., *Associate in Philosophy.*

A.B., Western Reserve University, 1908; A.M., Harvard University, 1909, and Ph.D., 1913; Travelling Fellow in Philosophy, Harvard University and Student, Universities of Graz, Berlin, and Freiburg, 1910-12; Assistant in Philosophy, Harvard University, 1912-13.

GERTRUDE RAND, PH.D., *Associate in Experimental and Educational Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, PH.D., *Associate in French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12.

SAMUEL CLAGGETT CHEW, JR., PH.D., *Associate in English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

JEAN BAPTISTE BECK, PH.D., *Associate Professor of Mediæval French Literature.*

Guebwiller, Alsace. Baccalaureate in Rhetoric, Sorbonne, 1900; Baccalaureate in Philosophy, Sorbonne, 1901; Ph.D., University of Strassburg, 1907; State Examination *pro facultate docendi*, 1908. Professor of Latin and German in the Ecole Alsacienne, Paris, 1909; Director of Advanced Courses for Teachers in Gymnasias, University of Vienna, 1910; Professor of French Literature, Wiener Handels-Akademie, 1910; Assistant Professor of Romance Languages, University of Illinois, 1911-14; Instructor in Romance Languages and Literatures, University of Chicago, Summer Quarter, 1912.

SUSAN MYRA KINGSBURY, PH.D., *Carola Woerishoffer Professor (elect) of Social Economy and Director (elect) of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate, and Professor in Economics, Simmons College, and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

ALBERT EDWIN AVEY, A.M., *Associate (elect) in Philosophy.*

A.B., Yale University, 1908, and A.M., 1909. Graduate Student, Yale University, 1908-09, 1913-15; University of Berlin, 1912-13; Assistant in Psychological Laboratory, Yale University, 1913-14, and Lecturer in Elementary Logic, Yale University, Spring Term, 1913-14.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

GEORGIANA GODDARD KING, A.M., *Lecturer in the History of Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

FREDERICK ARCHIBALD DEWEY, S.B., *Lecturer in Economics and Sociology.*

S.B., Massachusetts Institute of Technology, 1910. University of Grenoble, Autumn Semester, 1904; University of Michigan, 1905-06; Graduate Student in Sociology, Columbia University, 1911-12, and University Fellow in Sociology, 1912-13.

RHYS CARPENTER, M.A., *Lecturer in Classical Archaeology.*

A.B., Columbia University, 1911; B.A., University of Oxford, 1911, and M.A. 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13.

EMIL CARL WILM,* Ph.D., LL.D., *Lecturer in Philosophy.*

A.B., Southwestern University, 1902; A.M., Vanderbilt University, 1903; Ph.D., Cornell University, 1905. Professor of Philosophy, Washburn College, 1905-11; Assistant and Docent in Philosophy, Harvard University and Radcliffe College, 1911-12; Professor of Philosophy and Education, Wells College, 1912-14.

JANET TUCKER HOWELL,† Ph.D., *Lecturer in Physics.*

A.B., Bryn Mawr College, 1910; Ph.D., Johns Hopkins University, 1913. Helen Schaeffer Huff Research Fellow in Physics, Bryn Mawr College, 1913-14.

CHESTER ELIJAH KELLOGG,‡ Ph.D., *Lecturer in Psychology.*

A.B., Bowdoin College, 1911; A.M., Harvard University, 1912, and Ph.D., 1914. Assistant in French and Psychology, Bowdoin College, 1910-11; Austin Fellow, Harvard University, 1912-13, and Graduate Student, 1913-14.

CHARLES GHEQUIERE FENWICK, Ph.D., *Lecturer in Political Science.*

A.B., Loyola College, 1898; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

JAMES MILLER LEAKE, Ph.D., *Lecturer in History.*

A.B., Randolph-Macon College, 1902; Ph.D., Johns Hopkins University, 1914. Instructor in French and English, Randolph-Macon College, 1901-03; Principal of Ashland High School, Ashland, Va., 1909-11; Johns Hopkins University, 1911-14; University Fellow, Johns Hopkins University, 1913-14.

PIERRE FRANÇOIS GIROUD, D.L., *Licencié-ès-Lettres, Non-resident Lecturer in French.*

Lyons, France. *Bachelier-ès-lettres*, University of France, 1874, and *Licencié-ès-lettres*, 1881; D.L., Temple University, 1914; Officier d'Académie, 1904; Officier de l'Instruction publique, 1905. Ecole des Hautes-Etudes, Chartreux, Lyons; Sorbonne, Collège de France, 1881-1885; Director, Ecole Ste. Marie, Chalon, 1886-1888; Teacher of French in the Delancey School, 1889-96, and in the Agnes Irwin School, Philadelphia, 1889-1915; in Girard College, Philadelphia, 1896-1912; Special Lecturer on French Literature, Johns Hopkins University, 1907-11; University of Pennsylvania, 1912-15; Cornell University (Summer School), 1913-14.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98.

MARY JEFFERS, A.M., *Reader in German and Oral Examiner in French and German.*

A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895-97, 1903-04, 1906-07; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1895-98; Student at the Universities of Munich and Halle, 1898-99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900-01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1899-1907; Student, University of Bonn, Summer of 1905; Private Tutor, 1892-1915; Supervisor of College Preparatory Department, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905-07; Lecturer on European Travel, Miss Wright's School, 1904-15, and Teacher of Latin, 1911-15; French and German oral examiner, 1909-14.

EDNA ASTON SHEARER, Ph.D., *Reader in English.*

A.B., Bryn Mawr College, 1904, and Ph.D., 1914. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-09, and Graduate Student, Bryn Mawr College, 1907-08.

* Appointed as substitute for Professor Theodore de Leo de Laguna in 1914-15.

† Appointed as substitute for Professor James Barnes in 1914-15.

‡ Appointed as substitute for Professor James H. Leuba in 1914-15.

MARY HAMILTON SWINDLER, PH.D., *Reader in Latin and Reader and Demonstrator in Classical Archaeology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12.

IDA LANGDON, PH.D., *Reader in English.*

A.B., Bryn Mawr College, 1903; A.M., Cornell University, 1910, and Ph.D., 1912. Cornell University, 1909-12.

CHRISTINE POTTS HAMMER, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1912.

ESTHER CLOUDMAN DUNN, A.B., *Reader in English.*

A.B., Cornell University, 1913.

JULIA PEACHY HARRISON, PH.D., *Reader and Demonstrator in Chemistry.*

A.B., Richmond College, 1906, A.M., 1907, and B.S., 1909; Ph.D., Johns Hopkins University, 1913. Graduate Student, Johns Hopkins University, 1909-12; Teacher in the High School, Richmond, Va., 1907-08; Carnegie Research Assistant, Johns Hopkins University, 1912-13; Fellow in Chemistry, Bryn Mawr College, 1913-14.

DOROTHY BREWSTER, PH.D., *Reader in English.*

A.B., Columbia University, 1906, A.M., 1907, and Ph.D., 1913. Assistant in English, Barnard College, 1908-11; Special Fellow in English, Columbia University, 1911-12; Assistant in English, University Extension Department, Columbia University, 1913-14; Assistant in the Summer School, Columbia University, 1914.

ELLEN THAYER, A.B., *Reader in French.*

A.B., Bryn Mawr College, 1907. The Sorbonne, Paris, 1909-11. Teacher of French in Wolfe Hall, Denver, Colo., 1911-12.

CLARA WHITNEY CRANE, A.B., *Reader in English.*

A.B., Radcliffe College, 1914.

MARY EDITH PINNEY, A.M., *Demonstrator in Biology.*

A.B., Kansas State University, 1908, and A.M., 1910. Teaching Fellow in Zoology, Kansas State University, 1909-10, and High School Instructor, Alma, Kan., 1908-09; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, Kansas State University, 1912-13.

HELEN TURNBULL GILROY, A.M., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1909, and A.M., 1912. Graduate Student and Student Assistant in the Physical Laboratory, Bryn Mawr College, 1910-11; Fellow in Physics, 1911-12; Instructor in Physics, Mt. Holyoke College, 1912-14.

DOROTHY OCHTMAN, A.B., *Demonstrator in the History of Art.*

A.B., Smith College, 1914.

PHEBE ANNA THORNE MODEL SCHOOL.

MATILDE CASTRO, PH.D., *Director and Teacher of English and History.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03; Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Associate Professor of Education, Bryn Mawr College.

KATE GORDON, PH.D., *Teacher of Mathematics.*

Ph.B., University of Chicago, 1900, and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers College, Columbia University, 1906-07; Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12; Phebe Anna Thorne Associate Professor of Education, Bryn Mawr College.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902. Non-Resident Lecturer in English Diction, Bryn Mawr College.

EUNICE MORGAN SCHENCK, Ph.D., *Teacher of French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble and Madrid, 1910-12. Associate in French, Bryn Mawr College.

PLACIDO DE MONTOLIU, *Teacher of Jaques-Dalcroze Eurhythmics (Singing, Dancing).*

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Hellerau, Germany.

CONSTANCE M. K. APPLEBEF, *Teacher of Gymnastics and Sports and Games.*
Director of Gymnastics and Athletics, Bryn Mawr College.**MARY HAMILTON SWINDLER, Ph.D., *Teacher of Latin.***

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12. Reader in Latin, Bryn Mawr College.

FRANCES BROWNE, A.B., *Teacher of English, History, and Geography.*

A.B., Bryn Mawr College, 1909. Teacher in the Psychological Clinic and in Orange Settlement, New York City, 1911-12; Teacher in the Organic School of Education, 1913-14.

ANNA WHITMAN CLARK, A.B., *Teacher of Elementary Science and Arithmetic.*

A.B., Vassar College, 1898. Private Assistant to Professor Brookover in Biological Laboratory, Colorado College, 1899-1900; Teacher of Science and Mathematics in Miss Butt's School, Norwich, Conn., 1906-11, and in Miss Walker's School, Lakewood, N. J., 1911-14; Summer Session, Teachers College, Columbia University, 1914.

VIRGINIA WRIGHT GARBER, *Teacher of Drawing and Modelling.*

Student, the Pennsylvania Museum and School of Industrial Art, the Philadelphia Academy of Fine Arts, and Pupil of Jules Lefebvre, Benjamin Constant, Professor Charles Roth, William M. Chase, Child Hassam, and Howard Pyle. Head of the White Gate Studios, Bryn Mawr, Pa., 1911-15.

GERTRUDE RAND, Ph.D., *Psychologist to the Phebe Anna Thorne Model School.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13. Associate in Educational and Experimental Psychology, Bryn Mawr College.

FLORENCE NICE BECKLEY, A.B., *Secretary to the Director.*

A.B., Vassar College, 1907. Simmons College, 1909-10. Secretary to the President, Newton Theological Institution, 1910-14.

EXECUTIVE STAFF.**EDITH ORLADY, A.B., *Secretary of the College.***

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, 1910-12.

ABIGAIL CAMP DIMON, A.M., *Recording Secretary.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09; Demonstrator in Biology, Bryn Mawr College, 1911, and Reader in Biology, 1911-12.

LENORE MILLICENT LITTLE, A.B., *Stenographer to the President.*

A.B., Smith College, 1911. Clerk to the State Board of Education, Hartford, Conn., 1911-14.

MAUD AGNES TITUS, A.B., *Stenographer to the Dean of the College.*

A.B., Mount Holyoke College, 1911; Teacher of English, Watertown High School, Watertown, New York, 1911-12; Assistant to the Supervising Principal of Schools, Roselle, N. J., 1912-14.

ELEANOR KARSTEN, Ph.B., *Secretary to the Recording Dean.*

Ph.B., University of Chicago, 1910; Secretary to the Chief Investigator of the Bureau of Industries and Immigration, Department of Labor of the State of New York, 1911-12; Secretary to the Librarian and Lecturer in the Library School, University of Illinois, 1912-14.

ELLEN BEULAH LEWIS, A.B., *Stenographer to the Secretary of the College.*

A.B., Swarthmore College, 1906; Assistant to the Editor at the Commercial Museum, Philadelphia, 1906-13.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian.*

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-13.

HELEN COREY GEDDES, A.B., B.S., *Head Cataloguer.*

A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

SARAH WOOSTER ENO, A.B., *Circulation and Reference Librarian.*

A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12.

MARIAN PRICE, A.B., *Assistant to the Librarian.*

A.B., Vassar College, 1910. Drexel Institute Library School, 1910-11.

S. HELEN BURNS, A.M., *Assistant to the Circulation and Reference Librarian.*

Ph.B., Dickinson College, 1912, and A.M., 1914. Drexel Institute Library School, 1913-14.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall.*

A.B., Bryn Mawr College, 1889.

RUTH BABCOCK, A.B., *Warden of Merion Hall.*

A.B., Bryn Mawr College, 1910. Teacher in Deerfield Academy, Deerfield, Mass., 1910-13.

MARGARET BONTECOU, A.B., *Warden of Denbigh Hall.*

A.B., Bryn Mawr College, 1909. Bryn Mawr European Fellow, 1909-10; Student, Universities of Munich and Oxford, 1910-11; Settlement Worker, Orange Social Settlement, 1912-13; Private Tutor and Secretary, 1913-14.

MARY FRANCES NEARING, A.B., *Warden of Rockefeller Hall.*

A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14.

BERTHA SOPHIE EHLERS, A.B., *Warden of Radnor Hall.*

A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13.

ELIZABETH EVANS LORD, A.B., *Assistant to the Warden of Pembroke Hall.*

A.B., Bryn Mawr College, 1914.

MARGARET A. PROCTOR, A.B., *Junior Bursar.*

A.B., University of Toronto, 1906. Laboratory Assistant in Physiological Chemistry and Bacteriology, University of Toronto, 1906-08; Dietitian, Department of Public Charities, New York City, 1908-09; Assistant Manager, Whittier Hall Dining Rooms, Barnard College, 1909-10.

SANDY LEE HURST, *Comptroller*.

GENEVIEVE ESTELLE POTTER, *Bookkeeper and Assistant to the Comptroller*.

MABEL GRAY THOMAS, *Stenographer and Assistant Bookkeeper in the Comptroller's Office*.

LOUISE WATSON, A.B., *Business Manager*.

A.B., Bryn Mawr College, 1912. Teacher in Marshall College, Huntington, W. Va., 1913-14.

LAURA LAURENSEN BYRNE, A.B., *Assistant Business Manager*.

A.B., Bryn Mawr College, 1912. Assistant Secretary, Federated Charities, Baltimore, Md., 1912-13; Private Tutor, 1913-14.

JOHN J. FOLEY, *Superintendent of Mechanical Equipment*.

THOMAS F. FOLEY, *Superintendent of Buildings and Grounds*.

EDITH SHERWOOD, *Stenographer in the Business Manager's Office*.

Drexel Institute Secretarial School, 1911-12.

JANET B. HOUTZ, *Stenographer in the Business Manager's Office*.

Drexel Institute Secretarial School, 1913-14.

BERTHA SHORTLAND, *Telephone Clerk*.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics and Supervisor of Health Department*.

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foste High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

CYNTHIA MARIA WESSON, A.M., *Assistant to the Director of Athletics and Gymnastics*.

A.B., Bryn Mawr College, 1909, and A.M., 1914. Graduate of the Sargent School for Physical Education, Boston, Mass., 1913.

MARY WARREN TAYLOR, *Secretary to the Department of Athletics and Gymnastics and Recording Secretary to the Health Department*.

THOMAS F. BRANSON, M.D., *Physician in Chief*.

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

FRANCES R. SPRAGUE, B.L., M.D., *Assistant Physician of the College*.

B.L., University of California, 1886; M.D., Woman's Medical College of Pennsylvania 1891. Visiting Physician and Surgeon, Children's Department, Children's Hospital of San Francisco, 1898-1910; Visiting Surgeon, Woman's Hospital of Pennsylvania, and Consulting Surgeon, West Philadelphia Hospital for Women; Practicing Physician Bryn Mawr, Pa., 1910-15.

HELEN MURPHY, M.D., *Examining Oculist*.

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants:

THOMAS MCCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consultant Physician*.

GEORGE DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist*.

ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon*.

FRANCIS R. PACKARD, M.D., 302 S. Nineteenth Street, Philadelphia, *Consultant Aurist and Laryngologist*.

JAMES K. YOUNG, M.D., 222 S. Sixteenth Street, Philadelphia, *Consultant Orthopædist*.

G. C. DAVIS, M.D., 1814 Spruce Street, Philadelphia, *Consultant Orthopædist*.

The Academic Council of the Alumnae.

CORNELIA VAN WYCK HALSEY, A.B. (Mrs. Frederic Rogers Kellogg),
(*ex-officio*), 31 Boyken Street, MORRISTOWN, N. J.

ANNA BELL LAWTHER, A.B. (*Chairman*), 239 Seventeenth Street, DUBUQUE,
IOWA.

KATHARINE LORD, A.B., PLYMOUTH, MASS.

SUSAN BRALEY FRANKLIN, PH.D., 33 Central Park West, NEW YORK CITY.

GERTRUDE HARTMAN, A.B., 15 Centre Street, BROOKLINE, MASS.

PAULINE DOROTHEA GOLDMARK, A.B., 270 West 94th Street, NEW YORK
CITY.

SUSAN FOWLER, A.B., 420 West 118th Street, NEW YORK CITY.

KATHARINE SERGEANT, A.B., 4 Hawthorne Road, BROOKLINE, MASS.

STUDENTS.

Fellows and Graduate Students, Academic Year, 1914-15.

YVONNE, STODDARD,.....*Bryn Mawr European Fellow.*
 Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston. First Bryn Mawr Matriculation Scholar for the New England States, 1906-07. A.B., Bryn Mawr College, 1913. Student, University of Oxford, 1915.

VERNETTE LOIS GIBBONS, *Helen Schaeffer Huff Research Fellow in Physics.*
 Upton, Mass. Sc.B., Mt. Holyoke College, 1896, and A.B., 1899; M.Sc., University of Chicago, 1907; M.Sc., University of the Cape of Good Hope, 1908. Teacher in the High School, Bernardstown, Mass., 1896-97; Assistant in Chemistry, Mt. Holyoke College, 1897-99, and Instructor in Chemistry, 1899-1901; Instructor in Chemistry and Mineralogy, Wells College, 1902-04, and Associate Professor of Chemistry, 1905-06; Lecturer and Head of Department of Chemistry, Huguenot College, Wellington, South Africa, 1907-11, and on leave of absence, 1911-12; Fellow in Chemistry, Bryn Mawr College, 1911-12; President's European Fellow and Student, University of Munich, 1912-13; and Graduate Student, Bryn Mawr College, 1913-14.

MILDRED HARDENBROOK,.....*Fellow in Greek.*
 Valatie, N. Y. A.B., Vassar College, 1908, and A.M., 1909. Graduate Scholar in Greek, Bryn Mawr College, 1911-12, 1913-14.

MARY AMELIA GRANT,.....*Fellow in Latin.*
 Topeka, Kans. A.B., University of Kansas, 1913, and A.M., 1914.

ELIZABETH BEATRICE DAW,.....*Fellow in English.*
 Spottswood, N. J. A.B., Vassar College, 1909, and A.M., University of Pennsylvania, 1910. Reader in English, Bryn Mawr College, 1912-14.

ALICE PHILENA FELICIA HUBBARD,.....*Fellow in Romance Languages.*
 Austin, Tex. B.S., University of Texas, 1900, and A.M., 1902. University of Chicago Summer School, 1904, 1905. Fellow in Spanish, University of Texas, 1899-1902; Tutor in Spanish, University of Texas, 1902-08, and Instructor in Spanish, 1908-13; Graduate Student, Bryn Mawr College, 1913-14.

LOUISE PETTIBONE SMITH,.....*Fellow in Semitic Languages.*
 Winchester Centre, Conn. A.B., Bryn Mawr College, 1908. Instructor in Hardin College, Mexico, Mo., 1908-11; Graduate Scholar in Semitic Languages, Bryn Mawr College, 1911-12; Fellow in Semitic Languages, 1912-13; Thayer Fellow and Student, American School of Oriental Studies, Jerusalem, 1913-14.

LILY FRANCES TREVVETT,.....*Fellow in History.*
 Glen Allen, Va. A.B., Richmond College, 1909; A.M., Johns Hopkins University, 1913. Teacher of Mathematics, High School, Barton Heights, Va., 1909-11; Graduate Student, Johns Hopkins University, 1911-13; Teacher of History and Mathematics, Lee-Maury High School, Bowling Green, Va., 1913-14.

MARJORIE LORNE FRANKLIN,.....*Fellow in Economics.*
 New York City. A.B., Barnard College, 1913. Graduate Scholar in Economics, Bryn Mawr College, 1913-14.

HELEN HUSS PARKHURST,.....*Fellow in Philosophy.*
 Englewood, N. J. A.B., Bryn Mawr College, 1911, and A.M., 1913. Teacher in the Dwight School, Englewood, 1911-12; Graduate Scholar in Philosophy, Bryn Mawr College, 1912-13; President's European Fellow and Student, University of Cambridge, 1913-14.

MARION ALMIRA BILLS,.....*Fellow in Psychology.*
 Allegan, Mich. A.B., University of Michigan, 1908. Teacher in the Public School, Allegan, 1909-11; Graduate Scholar in Psychology, Bryn Mawr College, 1911-13, and Fellow in Psychology, 1913-14.

FERN HELEN RUSK,.....*Fellow in Archæology.*
 Columbia, Mo. A.B., University of Missouri, 1913, and A.M., 1914; Graduate Student, University of Missouri, 1913-14.

MARY GERTRUDE HASEMAN,.....*Fellow in Mathematics.*
 Linton, Ind. A.B., University of Indiana, 1910. Professor of Mathematics in Vincennes University, 1910-11; Graduate Scholar in Mathematics, Bryn Mawr College, 1911-13, and Fellow in Mathematics, 1913-14.

MARGUERITE WILLCOX,.....*Fellow in Chemistry.*
 Oxford, N. Y. A.B., Mt. Holyoke College, 1913. Graduate Scholar in Chemistry, Bryn Mawr College, 1913-14.

MARTHA DEETE ROLFE,.....*Fellow in Geology.*
 Champaign, Ill. B.S., University of Illinois, 1900, and A.M., 1904. Instructor in Science in Illinois Woman's College, 1905-10, and Professor of Physiography, 1908-10; Graduate Student, University of Illinois, 1913-14.

GRACE MEDES,.....*Fellow in Biology.*
 Kansas City, Mo. A.B., Kansas State University, 1904, and A.M., 1913. Fellow in Biology, Bryn Mawr College, 1913-14.

EUGENIE BEERMANN,.....*German Graduate Scholar.*
 Münster in Westfalen, Germany. Student, University of Munich, Summer Semester, 1913; University of Marburg, 1913-14.

YVONNE TERTOIS,.....*French Graduate Scholar.*
 Paris, France. Student in the Lycée Victor Hugo, 1901-07, and in the Lycée Fénelon, Paris, 1907-11. Certificat d'aptitudes à l'enseignement des sciences, 1902. Professor of Science in the College of Armentières, 1913-14, on leave of absence, 1914-15.

MARY ELIZABETH BARNICLE,.....*Graduate Scholar in English.*
 Providence, R. I. A.B., Brown University, 1913. Teacher in Evening School, Providence, 1910-11; Graduate Scholar in English, Bryn Mawr College, 1913-14.

MARGUERITE GOLD BARTLETT,.....*Graduate Scholar in History.*
 Philadelphia. A.B., Bryn Mawr College, 1913. Head of Department of English, Darlington Seminary, West Chester, Pa., 1913-14.

RUTH ELIZABETH BAUER,.....*Graduate Scholar in English.*
 Topeka, Kans. A.B., Washburn College, 1913. Assistant in English and Graduate Student, Washburn College, 1913-14.

LOUISE GOEBEL BECK,.....*English and French.*
 Bryn Mawr, Pa. A.B., University of Illinois, 1912. Substitute Teacher of German, Civics, and Algebra in the High School, Champaign, Ill., 1912-13.

MARIA GEORGINA BIDDLE,.....*Physics, Chemistry, and Biology.*
 Philadelphia. A.B., Bryn Mawr College, 1910.

MARGARET BONTECOU,.....*History.*
 Orange, N. J. A.B., Bryn Mawr College, 1909. Bryn Mawr European Fellow, 1909-10; Student, Universities of Munich and Oxford, 1910-11; Settlement Worker, Orange Social Settlement, 1912-13; Secretary and Private Tutor, 1913-14; Warden of Denbigh Hall, 1914-15.

ROSE BRANDON,.....*Graduate Scholar in Geology.*
 Butler, Pa. A.B., Bryn Mawr College, 1914.

DOROTHY MILES BROWN, *Susan B. Anthony Memorial Scholar in Political Theory and Graduate Scholar in Economics.*
 East Lansing, Mich. A.B., University of Michigan, 1911, and A.M., 1914. Teacher of English in the High School, Portland, Mich., 1911-12, and in the High School, Sault Ste Marie, Mich., 1912-13; Graduate Student, University of Michigan, 1913-14.

VERA LEE BROWN,.....*Graduate Scholar and Fellow by Courtesy in History.*
 New Brunswick, Canada. B.A., McGill University, 1912, and M.A., 1913. Graduate Scholar in History, Bryn Mawr College, 1913-14.

FRANCES BROWNE,.....*Education.*
 New York City. A.B., Bryn Mawr College, 1909. Teacher in the Psychological Clinic and in Orange Settlement, New York City, 1911-12; Teacher in the Organic School of Education, 1913-14; Teacher of English, History and Geography in the Phebe Anna Thorne Model School, 1914-15.

- SARAH HELEN BURNS,.....*History of Art.*
West Chester, Pa. Ph.B., Dickinson College, 1912 and A.M., 1914. Drexel Institute Library School, 1913-14; Assistant to the Circulation and Reference Librarian, Bryn Mawr College, 1914-15.
- ALICE HILL BYRNE,.....*Graduate Scholar in Latin.*
Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1894-96, and Principal, 1899-1900; in Mrs. Blackwood's School, Lancaster, 1896-99, and 1900-01; Associate Principal and Teacher of Latin and Greek in Miss Stahr's School, Lancaster, 1901-05; Principal of the Shippen School, Lancaster, 1905-09; Teacher of Latin and Greek in Miss Hills's School, Philadelphia, 1909-11; Graduate Student, Bryn Mawr College, 1908-10, 1911-14, and Graduate Scholar in Greek, 1910-11; Teacher of Latin and Greek in the Baldwin School, Bryn Mawr, 1911-12, 1913-15, and in charge of the Lower School, 1912-13.
- GERTRUDE HILDRETH CAMPBELL,
Graduate Scholar and Fellow by Courtesy in English.
Providence, R. I. A.B., Brown University, 1911, and A.M., 1912. Tutor in English, Brown University, 1912; Graduate Scholar in English, Bryn Mawr College, 1912-13, and Fellow in English, 1913-14.
- ANNA WHITMAN CLARK,.....*English, Education, Physics and Biology.*
Binghamton, N. Y. A.B., Vassar College, 1898. Private Assistant to Professor Brookover in Biological Laboratory, Colorado College, 1899-1900; Teacher of Science and Mathematics in Miss Butt's School, Norwich, Conn., 1906-11, and in Miss Walker's School, Lakewood, N. J., 1911-14; Summer Session, Teacher's College, Columbia University, 1914; Teacher of Elementary Science and Arithmetic in the Phebe Anna Thorne Model School, 1914-15.
- RUBY DAVIS,.....*Hebrew.*
Lansdowne, Pa. A.B., Earlham College, 1903. Earlham Graduate Scholar, Bryn Mawr College, 1903-04; Teacher of German in the Westtown Boarding School, Westtown, Pa., 1904-12; Teacher of German and Scripture in the Friends' Select School, Philadelphia, 1912-15.
- ELSIE DEEMS,.....*Graduate Scholar in Italian and Comparative Literature.*
Pocantico Hills, N. Y. A.B., Bryn Mawr College, 1910. Teacher and Vice-Principal in the Union Free School, Pocantico Hills, N. Y., 1911-13; Teacher of English in the Brearley School, New York City, 1913-14.
- CHARLOTTE D'EVELYN,.....*Graduate Scholar in English.*
San Francisco, Cal. B.L., Mills College, 1911; University of California, Summer, 1912. Teacher in the Public Schools, Bloomington, Idaho, Jan.-Jun., 1912, and in Sanger, Cal., 1912-13; Graduate Scholar in English, Bryn Mawr College, 1913-14.
- SUSAN JANNEY DEWEES,.....*Hebrew.*
Haverford, Pa. A.B., Bryn Mawr College, 1900. Assistant Bursar, Bryn Mawr College, 1900-01; Teacher in the Haverford Primary School, 1901-03; Student of Domestic Science, Drexel Institute, Philadelphia, 1903-04; Collector for Octavia Hill Association, 1904-11; General Secretary, Westtown Old Scholars Association, 1911-15.
- ELIZABETH DEWEY,.....*French.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1914.
- HELEN MARY DONNELLY,.....*Graduate Scholar in Latin.*
St. Louis, Mo. A.B., Washington University, 1914.
- CAROLINE AUSTIN DUROR,.....*Graduate Scholar in Geology.*
New York City. B.S., Barnard College, 1914.
- HELEN CLARE EAST,.....*Guilford College Scholar.*
Eastport, N. Y. A.B., Guilford College, 1914.
- BERTHA SOPHIE EHLERS,.....*History.*
Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13; Warden of Radnor Hall, 1914-15.
- SARAH WOOSTER ENO,.....*English and French.*
Charlotte, Vt. A.B., University of Illinois, 1908. New York State Library School, 1908-09. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12; Circulation and Reference Librarian, Bryn Mawr College, 1914-15.

- MARY ELIZA FAWCETT, *English and French.*
Kenilworth, Ill. A.B., Ohio State University, 1907; A.M., University of Illinois, 1909.
Instructor in English, University of Illinois, 1907-10, and Acting Dean of Women, 1910-13; Student, University of Oxford, 1913-14.
- GRACE FRANK, *French.*
Bryn Mawr, Pa. A.B., University of Chicago, 1906.
- HELEN COREY GEDDES, *English.*
Allston, Mass. A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12; Head Cataloguer, Bryn Mawr College, 1912-15.
- LAURA MAY GILDNER, *Greek, Latin, French, and Archaeology.*
Philadelphia. A.B., Cornell University, 1906. Teacher of Latin, French and Mathematics in the Seminary, Newport News, Va., 1896-1901; Student of Music, 1907-09; Private Tutor in Miss Jacobi's School, New York City, 1909-14; Teacher of Latin and Mathematics in the Round's School, Brooklyn, New York City, 1913-14.
- HELEN TURNBULL GILROY, *Mathematics.*
Philadelphia. A.B., Bryn Mawr College, 1909, and A.M., 1912. Graduate Student and Student Assistant in the Physical Laboratory, Bryn Mawr College, 1910-11; Fellow in Physics, 1911-12; Instructor in Physics, Mt. Holyoke College, 1912-14.
- SARAH NEWTON HALLETT, *Graduate Scholar in History.*
Providence, R. I. A.B., Brown University, 1901. Graduate Student, Brown University, 1905-06, 1909-10.
- MARY ALICE HANNA, *Graduate Scholar and Fellow by Courtesy in History.*
Trenton, Mo. A.B., University of Missouri, 1909, and B.S., 1911. Teacher in the High School, Vandalia, Mo., 1909-11; Graduate Student, Bryn Mawr College, 1911-12, and Fellow in History, 1912-13; Mary E. Garrett European Fellow and Research Student in the British Museum, 1913-14.
- VIRGINIA HARDIN, *Graduate Scholar in Psychology.*
Denver, Colo. A.B., University of Colorado, 1914.
- FLORENCE MAY HARPER, *Graduate Scholar in Romance Languages.*
Seattle, Wash. B.L., Mills College, 1913.
- DOROTHY PALMER HULL, *Graduate Scholar in Greek.*
Providence, R. I. A.B., Brown University, 1914.
- FLORENCE CATHERINE IRISH, *History.*
Norristown, Pa. A.B., Bryn Mawr College, 1914.
- ELIZABETH HENRIETTA JOHNSTON, *Graduate Scholar in Chemistry.*
Carlisle, Pa. A.B., Bryn Mawr College, 1912. Teacher of Mathematics and Chemistry in Penn Hall, Chambersburg, Pa., 1912-14.
- JEANNETTE KEARNEY, *Graduate Scholar in Latin.*
Racine, Wis. A.B., University of Wisconsin, 1914.
- LENORE MILLICENT LITTLE, *Economics and Politics.*
Hartford, Conn. A.B., Smith College, 1911. Clerk to the State Board of Education, Hartford, 1911-14; Stenographer to the President, Bryn Mawr College, 1914-15.
- ELIZABETH EVANS LORD, *Psychology and Education.*
Plymouth, Mass. A.B., Bryn Mawr College, 1914. Assistant to the Warden of Pembroke Hall, 1914-15.
- HELEN MAGEE, *English.*
Easton, Pa. A.B., University of Michigan, 1914. Stenographer to the President, Bryn Mawr College, 1915.
- RUTH ELIZABETH MARSHALL, *History and Economics and Politics.*
Minneapolis, Minn. A.B., University of Minnesota, 1913, and A.M., 1914.
- BERTHA MCCracken, *Penn College Scholar.*
Holquin, Cuba. B.S., Penn College, 1914. Teacher of Domestic Science in the Penn College Summer School, 1914.

- JESSIE ELIZABETH MINOR, *Graduate Scholar in Chemistry.*
 Springfield, Mo. B.S., Drury College, 1904. Graduate Student, University of Chicago, Summer 1906, 1907, and University of Pennsylvania, 1908-10. Substitute Professor of Chemistry, Drury College, 1906-08; Professor of Chemistry, Huguenot College, Wellington, S. Africa, 1911-14.
- MARY FRANCES NEARING, *English.*
 Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14; Warden of Rockefeller Hall, 1914-15.
- DOROTHY OCHTMAN, *English, History of Art, and Archæology.*
 Cos Cob, Conn. A.B., Smith College, 1914. Demonstrator in the History of Art, Bryn Mawr College, 1914-15.
- GLADYS OPAL PARKS, *Earlham College Scholar.*
 Eaton, O. A.B., Earlham College, 1914.
- RUTH PERKINS, *Graduate Scholar in German.*
 Abington, Mass. A.B., Wellesley College, 1912; A.M., Radcliffe College, 1913. Assistant in German and Latin in the High School, Belchertown, Mass., 1913-14.
- MARY EDITH PINNEY, *Biology.*
 Wilson, Kans. A.B., Kansas State University, 1908, and A.M., 1910. Teacher in High School, Alma, Kans., 1908-09; Teaching Fellow in Zoology, Kansas State University, 1909-10; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, Kansas State University, 1912-13; Demonstrator in Biology, and Fellow by Courtesy in Biology, Bryn Mawr College, 1913-14, and Demonstrator in Biology, 1914-15.
- CHRISTINE FREDRIKA POSSE, *English, History, and Archæology.*
 Chicago, Ill. S.B., University of Chicago, 1912.
- JESSIE LUNT PREBLE, *Graduate Scholar in Philosophy.*
 Berkeley, Cal. A.B., University of California, 1913. Graduate Student, Bryn Mawr College, 1913-14.
- ELEANOR FERGUSON RAMBO, *Graduate Scholar in Archæology.*
 Philadelphia. A.B., Bryn Mawr College, 1908, A.M., 1909. Scholar in Greek, Bryn Mawr College, 1908-09; Graduate Student in Latin, 1909-10, and in Archæology, 1911-12; Teacher of Mathematics in the Misses Kirk's School, Bryn Mawr, 1909-10; Private Tutor, 1910-11; Teacher of Latin in Miss Wright's School, Bryn Mawr, and Private Tutor, 1911-15.
- EMMA SELLERS ROBERTSON, *French.*
 Philadelphia. A.B., Bryn Mawr College, 1913. Teacher of French in The Chatham Episcopal Institute, Chatham, Va., 1913-14, and in Miss Cruice's School, Philadelphia, and in Miss Roney's School, Philadelphia, 1914-15.
- HELEN AUSTIS SARGENT, *Greek and Latin.*
 Jasper, N. Y. A.B., Oberlin College, 1900, and A.M., 1905. Chicago University, Summer Quarter, 1902. Teacher of English, German, and Classics, York Collegiate Institute, York, Pa., 1900-02; Head of Classical Department, Huguenot College, Wellington, S. Africa, 1903-15; on leave of absence 1914.
- JOSEPHINE DUNLAP SUTTON, *Graduate Scholar in English.*
 New London, Conn. A.B. and B.S., University of Missouri, 1913. Teacher of English, Ancient History, and Geography in the Free Academy, Norwich, Conn., 1913-14.
- ELLEN THAYER, *French.*
 London, England. A.B., Bryn Mawr College, 1907. Student at the Sorbonne, 1909-11; Teacher of French in Wolfe Hall, Denver, Col., 1911-12; Reader in French, Bryn Mawr College, 1914-15.
- VERA TRITPOE, *English, Education, and Mathematics.*
 Fortville, Ind. A.B., De Pauw University, 1912. Assistant Principal and Teacher of Latin and Botany in the High School, Decker, Ind., 1912-13, and in the High School, Castleton, Ind., 1913-14.

- ANNE GARRETT WALTON,.....*Hebrew.*
Media, Pa. A.B., Bryn Mawr College, 1909. Teacher of English and Greek in the Friends' Select School, Philadelphia, 1910-13; Private Tutor, 1914-15.
- ALBERTA HINKLE WARNER,.....*Law.*
Duffryn Mawr, Pa. A.B., Bryn Mawr College, 1905. Student of Music, University of Pennsylvania, 1907-09; Teacher of English in the National School of Elocution, Philadelphia, 1908-12.
- ELIZABETH DIXON WILSON,.....*Chemistry and Physics.*
Lansdowne, Pa. A.B., Bryn Mawr College, 1908.

Former Holders of European Fellowships.

- BALCH, EMILY GREENE,.....130 Prince Street, Jamaica Plain, Mass.
Holder of the Bryn Mawr European Fellowship, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin. Student in Political Science, Conservatoire des Arts et des Métiers, Paris, and under the direction of Professor Emile Levasseur, 1890-91; University of Chicago, 1895; University of Berlin, 1895-96; Member of Board of Trustees for Children of the City of Boston, 1897-98; Assistant in Economics, Wellesley College, 1896-97, Instructor in Economics, 1897-1903, Associate Professor of Economics and Sociology, 1903-12, and Acting Head of the Department, 1907-13; Professor of Political Economy and Political and Social Science, 1913-15.
- BECKER, AMANDA FREDERICKA, 5709 Von Versen Avenue, St. Louis, Mo.
Holder of the President's European Fellowship, 1903-04. B.Sc., Missouri State University, 1901, and A.M., 1902. Holder of Teaching Fellowship, Missouri State University, 1901-02; Graduate Scholar, Bryn Mawr College, 1902-03; Student, University of Göttingen, 1903-04; Teacher of Mathematics in the Yeatman High School, St. Louis, 1904-08, and in the Soldan High School, St. Louis, 1909-11.
Married, 1911, *Mr. William Hardy Montague.*
- BILLMEYER, HELEN MAY,.....250 Midland Avenue, Montclair, N. J.
Holder of the Bryn Mawr European Fellowship, 1902-03. A.B., Bryn Mawr College, 1902, group, History and Political Science; University of Berlin, 1903-04; Private Tutor, 1910-11; Teacher in the Baldwin School, Bryn Mawr, 1911-15.
- BLEY, HELEN MÜLLER,.....Narberth, Pa.
Holder of the Bryn Mawr European Fellowship, 1910-11. A.B., Bryn Mawr College, 1910, group, Greek and Latin. Student, University of Munich, 1910-12; University of Athens, 1912-13; Private Tutor, 1913-14; Teacher of Latin, Greek, and Ancient History in St. Margaret's School, Waterbury, Conn., 1914-15.
- BONTECOU, MARGARET,.....150 Highland Avenue, Orange, N. J.
Holder of the Bryn Mawr European Fellowship, 1909-10. A.B., Bryn Mawr College, 1909, group, History and Economics and Politics. Student, Universities of Munich and Oxford, 1910-11; Private Tutor and Settlement Worker, 1911-13; Private Secretary and Tutor, 1913-14; Warden of Denbigh Hall, Bryn Mawr College, 1914-15.
- BORING, ALICE MIDDLETON,.....University of Maine, Orono, Me.
Holder of the Mary E. Garrett European Fellowship, 1907-08. A.B., Bryn Mawr College, 1904, group, Chemistry and Biology, A.M., 1905, and Ph.D., 1910, subjects, Zoology and Physiology. Graduate Scholar in Biology, and Assistant in the Biological Laboratory, Bryn Mawr College, 1904-05; Moore Fellow in Zoology, University of Pennsylvania, 1905-06; Fellow in Biology, Bryn Mawr College, 1906-07; Instructor in Zoology, Vassar College, 1907-08; Student, University of Würzburg, and Zoological Station, Naples, 1908-09; Instructor in Zoology, University of Maine, 1909-11, Assistant Professor, 1911-13, and Associate Professor, 1913-15.
- BOURLAND, CAROLINE BROWN,10 West Street, Northampton, Mass.
Holder of the Mary E. Garrett European Fellowship, 1900-01. A.B., Smith College, 1893; Ph.D., Bryn Mawr College, 1905, subjects, Spanish, Old French, and Italian, Teacher of French and German in Mrs. Starrett's School, Oak Park, Ill., 1895-96, and in the High School, Peoria, 1896-97; Student, Sorbonne and College de France, 1897-98; Fellow in Romance Languages, Bryn Mawr College, 1898-99; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1899-1900, 1901-02; Student in Romance Languages, Madrid, Spain, 1900-01; Instructor in Spanish and French, Smith College, 1902-06, Associate Professor, 1906-13, and Professor, 1913-15.

BREED, MARY BIDWELL, 5317 Westminster Street, Pittsburgh, Pa.

Holder of the Bryn Mawr European Fellowship, 1894-95. A.B., Bryn Mawr College, 1894, group, Chemistry and Biology, A.M., 1895, and Ph.D., 1901, subjects, Chemistry and Mathematics. Graduate Student and Assistant in the Chemical Laboratory, Bryn Mawr College, 1894-95; Student in Chemistry, University of Heidelberg, 1895-96; Professor of Science, Pennsylvania College for Women, 1897-99; Fellow by Courtesy and Graduate Scholar in Mathematics, Physics, and Chemistry, Bryn Mawr College, 1899-1901; Dean of Women and Assistant Professor of Chemistry, Indiana University, 1901-06; Student in Paris and Italy, 1909-10; Adviser of Women, University of Missouri, 1906-12; Associate Head and Teacher of English, St. Timothy's School, Catonsville, and Alumnae Director, Bryn Mawr College, 1912-13; Dean of the Margaret Morrison Carnegie School of the Carnegie Institute of Technology, Pittsburgh, 1913-15.

BROOKS, HARRIET, 990 Queen Mary's Road, Montreal, Canada.

Holder of the President's European Fellowship, 1902-03. A.B., McGill University, 1898, and A.M., 1901. Graduate Student, McGill University, 1898-99; Tutor in Mathematics, and Research Student in Physics, Royal Victoria College, 1899-1901; Fellow in Physics, Bryn Mawr College, 1901-02; Student, University of Cambridge, England, 1902-03; Lecturer in Mathematics, Royal Victoria College of McGill University, Montreal, 1903-04; Tutor in Physics, Barnard College, 1904-06; Research Student, Sorbonne, 1906-07.

Married, 1907, *Mr. Frank H. Pitcher*. One daughter, two sons.

BROWNELL, LOUISE SHEFFIELD, Clinton, N. Y.

Holder of the Bryn Mawr European Fellowship, 1893-94. A.B., Bryn Mawr College, 1893, group, Greek and Latin. Student in Greek and English, University of Oxford, England, and University of Leipzig, 1893-94; Graduate Student in Greek, Columbia College, 1894-95, and Graduate Student in English, 1895-96; Graduate Student in Greek and English, Bryn Mawr College, 1896-97; Warden of Sage College, and Lecturer in English Literature, Cornell University, 1897-1900; Associate Head of the Balliol School, Utica, N. Y., 1900-05; Private Tutor, 1905-15.

Married, 1900, *Mr. Arthur Percy Saunders*. Two daughters, two sons.

BRUSSTAR, MARGARET ELIZABETH, . . 708 North 63rd Street, Philadelphia.

Holder of the Mary E. Garrett European Fellowship, 1911-12. A.B., Bryn Mawr College, 1903, group, Latin and Mathematics. Teacher of Latin and Mathematics in Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-10, 1912-15; Graduate Student, Bryn Mawr College, 1906-07, 1908-09, Graduate Scholar in Mathematics, 1907-08; Fellow in Mathematics, 1910-11; Student, University of Göttingen, 1911-12.

CADY, MARY LOUISE, 48 North Church Street, Decatur, Ga.

Holder of the Mary E. Garrett European Fellowship, 1906-07. A.B. and A.M., Radcliffe College, 1904. Graduate Scholar in Greek, Bryn Mawr College, 1904-05; Fellow in Greek, Bryn Mawr College, 1905-06; Student, University of Berlin, 1906-07; Teacher in the Agnes Scott College, Decatur, Ga., 1907-08, Professor of Greek, 1908-10, and Professor of History, 1910-15.

CAM, NORA, Pauler's Pury Rectory, Towcester, England.

Holder of the Bryn Mawr European Fellowship, 1912-13. A.B., Bryn Mawr College, 1912, and A.M., 1913. Graduate Scholar in Mathematics, Bryn Mawr College, 1912-13; Teacher of Mathematics in the Baldwin School, Bryn Mawr, 1911-13; Student, University of Rome, 1913-14; Teacher in Miss Edgar's School, Montreal, Canada, 1914-15.

CLAFLIN, EDITH FRANCES, 17 Felton Hall, Cambridge, Mass.

Holder of the Mary E. Garrett European Fellowship, 1899-1900. A.B., Radcliffe College, 1897; Ph.D., Bryn Mawr College, 1906, subjects, Greek and Latin. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1897-98, and Graduate Student, 1898-99; Student at the American School of Classical Studies, Athens, 1899-1900; Private Research Work, Harvard University Library, 1900-01; Instructor in Literature in the Prospect Hill School, Greenfield, Mass., 1901-02, and in Classics and Classical History, 1902-07; Instructor in Greek and Latin, and Head of the Classical Department, Monticello Seminary, Godfrey, Ill., 1907-13; Instructor in Latin and the History of Art in the Courtland School, Bridgeport, Conn., 1913-14; Instructor in Greek and Latin in the Laurel School, Cleveland, O., 1914-15.

COULTER, CORNELIA CATLIN, 207 Adams Avenue, Ferguson, Mo.

Holder of the President's European Fellowship, 1908-09. A.B., Washington University, 1907; Ph.D., Bryn Mawr College, 1911, subjects, Latin and Greek. Graduate Scholar in Latin, Bryn Mawr College, 1907-08, Fellow in Latin, 1909-10, and Fellow in Greek, 1910-11; Student, University of Munich, 1908-09; Reader in Latin, Bryn Mawr College, 1911-12; Teacher of Latin in St. Agnes School, Albany, N. Y., 1912-15.

ELLIS, ELLEN DEBORAH,
Care of British Post Office, Constantinople College, Constantinople,
Turkey.

Holder of the Bryn Mawr European Fellowship, 1901-02. A.B., Bryn Mawr College, 1901, group, History and Political Science, A.M., 1902, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Student, Bryn Mawr College, 1901-02, 1903-04; Fellow in Economics and Politics, 1904-05; Student, University of Leipsic, 1902-03; Instructor in History, Mt. Holyoke College, 1905-08; Associate Professor and Acting Head of the Department of History, 1908-09; Associate Professor of Pure Economics and Political Science, 1909-11, and Associate Professor of History and Political Science, 1911-13; on leave of absence and Teacher of History in the American College, Constantinople, 1913-15.

EMERY, ANNE CROSBY, 163 George Street, Providence, R. I.

Holder of the Bryn Mawr European Fellowship, 1892-93. A.B., Bryn Mawr College, 1892, group, Greek and Latin, and Ph.D., 1896, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1892-93; Student, University of Leipsic, 1893-94; Secretary to the President, and Graduate Student, Bryn Mawr College, Second Semester, 1894-95, and 1895-96; Dean of Women and Assistant Professor of Classical Philology, University of Wisconsin, 1897-1900; Dean of the Women's College in Brown University, 1900-05; Alumnae Member of the Board of Directors of Bryn Mawr College, 1906-09; Writer and Lecturer, 1913-15.

Married, 1905, *Professor Francis Greenleaf Allinson.*

FLEISHER, ELEANOR LOUIE, 1715 Spruce Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1903-04. A.B., Bryn Mawr College, 1903, group, English and German. Graduate Student, Bryn Mawr College, 1903-04, 1906-07.

Married, 1908, *Dr. David Riesman.* Two sons.

FOSTER, FRANCES ALLEN, 87 Williams Street, Providence, R. I.

Holder of the Mary E. Garrett European Fellowship, 1912-13. A.B., Brown University, 1909, Ph.D., Bryn Mawr College, 1913, subjects, English Philology, English Literature and Old French. Scholar in English, Bryn Mawr College, 1909-11; Fellow in English, 1911-12; Student in London and Oxford, 1912-13. Research Scholar and Fellow by Courtesy in English and Assistant to the Warden of Pembroke Hall, 1913-14; Instructor in English, Carleton College, Northfield, Minn., 1914-15.

GIBBONS, VERNETTE LOIS, See page 18.

Holder of the President's European Fellowship, 1912-13.

GILES, ELLEN ROSE, Died, 1914.

Holder of the President's European Fellowship, 1897-98. A.B. and A.M., Bryn Mawr College, 1896, group, Greek and Semitic Languages. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1896-97, and Graduate Scholar in Philosophy, 1897-98; Student in Philosophy, University of Berlin, 1898-99, and Sorbonne, 1899; Private Tutor, 1899-1901; Editorial and Journalistic Work, 1901-06.

HALL, EDITH HAYWARD, 3715½ Chestnut Street, Philadelphia.

Holder of the Mary E. Garrett European Fellowship, 1903-04. A.B., Smith College, 1899; Ph.D., Bryn Mawr College, 1908, subjects, Archaeology and Greek. Teacher of Greek and History in Woodstock Academy, Woodstock, Conn., 1899-1900; Teacher of Latin and Greek in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01 and 1905-09; Graduate Student, Bryn Mawr College, 1900-01, 1905-09, and Graduate Scholar, 1901-03; Holder of the Agnes Hoppin Memorial Fellowship and Student at the American School of Classical Studies, Athens, 1903-05; Instructor in Archaeology, Mount Holyoke College, Second Semester, 1908-09, 1909-11; excavating in Eastern Crete, Second Semester, 1910-11, 1911-12; Assistant Curator, University Museum, Philadelphia, 1912-15.

HAMILTON, EDITH, 1312 Park Avenue, Baltimore, Md.

Holder of the Mary E. Garrett European Fellowship, 1895-96. A.B. and A.M., Bryn Mawr College, 1894, group, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1894-95; Student, Universities of Leipsic and Munich, 1895-96; Head Mistress of the Bryn Mawr School, Baltimore, 1896-1915.

HAMILTON, MARGARET, 1312 Park Avenue, Baltimore, Md.

Holder of the Bryn Mawr European Fellowship, 1897-98. A.B., Bryn Mawr College, 1897, group, Chemistry and Biology. Student, Collège de France and University of Munich, 1898-99; Teacher of Science, Bryn Mawr School, Baltimore, 1900-10, and Head of the Primary Department, 1910-15.

HANNA, MARY ALICE, See page 21.

HARDY, CORA, 105 East 19th Street, New York City.

Holder of the Bryn Mawr European Fellowship, 1899-1900. A.B., Bryn Mawr College, 1899, group Latin and French. Student at the Sorbonne, Collège de France and University of Oxford, 1899-1900; Teacher of Greek and English in Ward Seminary, Nashville, Tenn., and Graduate Student, Vanderbilt University, 1902-03; Teacher of English and Literature in St. Timothy's School, Catonsville, Md., 1903-06.

Married, 1906, *Mr. Edwin Seton Jarrett*. Two sons.

HARMON, ESTHER, 2139 Glenwood Avenue, Toledo, O.

Holder of the President's European Fellowship, 1907-08; Holder of the Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1909-10. A.B., University of Michigan, 1906. Ph.D., Bryn Mawr College, 1912, subjects, German Literature, Teutonic Philology and Modern History. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-08; Fellow in German, Bryn Mawr College, 1908-09; Student, University of Munich, 1909-10; Teacher in the High School, Toledo, 1910-12; Instructor in German, Normal College of New York, 1912-15.

HARRISON, JANE ANNETTA, La Plata, Mo.

Holder of the Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1910-11. A.B. and B.S., University of Missouri, 1906, and A.M., 1907. Scholar in Germanic Languages, University of Missouri, 1906-07, and Graduate Student, 1908-09; Teacher in the High School, Sedalia, Mo., 1907-08; Fellow in German, Bryn Mawr College, 1909-10; Universities of Berlin and Heidelberg, 1910-11; Teacher in the High School, St. Charles, Mo., 1911-13; Graduate Scholar and Fellow by Courtesy in German, Bryn Mawr College, 1913-14; Instructor in German in the Misses Shipley's School, Bryn Mawr, 1914-15.

HILL, VIRGINIA GREER, 3417 Race Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1907-08. A.B., Bryn Mawr College, 1907, group, Latin and Mathematics. Student, University of Zürich, 1907-08; Teacher of Latin and Mathematics in the Agnes Irwin School, Philadelphia, 1908-14.

Married, 1914, *Mr. Julian Alexander*.

KING, HELEN MAXWELL, Smith College, Northampton, Mass.

Holder of the Mary E. Garrett European Fellowship, 1910-11. A.B., Olivet College, 1907, and A.M., 1908. Graduate Student, Bryn Mawr College, 1908-09; Fellow in Romance Languages, 1909-10. Private Secretary to the United States Minister to Siam, 1910-12; Graduate Scholar, Bryn Mawr College, Second Semester, 1912-13; Student, Sorbonne and Collège de France, 1913-14; Instructor in French Language and Literature, Smith College, 1914-15.

LAIRD, ELIZABETH REBECCA, Mt. Holyoke College, South Hadley, Mass.

Holder of the President's European Fellowship, 1898-99. A.B., University of Toronto, 1896; Ph.D., Bryn Mawr College, 1901, subjects, Physics and Mathematics. Teacher in Ontario Ladies' College, 1896-97; Fellow in Physics, Bryn Mawr College, 1897-98; Student, University of Berlin, 1898-99; Graduate Scholar and Fellow by Courtesy in Mathematics and Physics, Bryn Mawr College, 1900-01; Instructor in Physics, Mount Holyoke College, 1901-03, Acting Head of the Department of Physics, 1903-04, and Professor of Physics, 1904-15; on leave of absence, Sara Berliner Research Fellow and Student, University of Würzburg, 1913-14.

LANGENBECK, CLARA, 803 North Eutaw Street, Baltimore, Md.

Holder of the President's European Fellowship, 1896-97. Ph.G., Cincinnati College of Pharmacy, 1890; S.B., University of Cincinnati, 1895. Fellow in Biology, Bryn Mawr College, 1895-96; Student, University of Marburg, 1896-98; Professor of Biology, Wells College, 1898-1901; Instructor in the Cincinnati College Preparatory School for Girls, 1901-11; Fellow by Courtesy and Graduate Scholar in Biology, Bryn Mawr College, 1911-12; Student, Johns Hopkins Medical School, 1912-14.

LEFTWICH, FLORENCE, Biltmore, N. C.

Holder of the Bryn Mawr European Fellowship, 1895-96. Wellesley College, 1884-85. A.B., Bryn Mawr College, 1895, group, French and Latin, and Ph.D., 1906, subjects, Old French, Latin, and Spanish. Student, Sorbonne and Collège de France, 1895-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1896-98; Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1898-99; Holder of the European Fellowship of the Baltimore Association for the Promotion of the University Education of Women, and Student, University of Zürich, 1899-1900; Teacher of French in the Bryn Mawr School, Baltimore, Md., 1900-01; Graduate Student, Bryn Mawr College, 1902; Fellow in Romance Languages, Bryn Mawr College, 1902-03.

Married, 1903, *Mr. S. Prioleau Ravenel*.

LEWIS, FLORENCE PARTHENIA, . . . 2435 N. Charles Street, Baltimore, Md.

Holder of the President's European Fellowship, 1899-1900. A.B., University of Texas, 1897, and A.M., 1898; A.M., Radcliffe College, 1906; Ph.D., Johns Hopkins University, 1913. Fellow in Philosophy, Bryn Mawr College, 1898-99; Student, Sorbonne and Collège de France, 1899-1900; Teacher in the University Preparatory School, Austin, Tex., 1900-02; Student, University of Texas, 1901-03; Tutor in Mathematics, University of Texas, 1902-05; Fellow of the Baltimore Association for the Promotion of the University Education of Women and Graduate Student, Johns Hopkins University, 1907-09; Fellow by Courtesy, Johns Hopkins University, 1912-13; Instructor in Mathematics, Goucher College, 1910-11, Assistant Professor of Mathematics, 1911-13, and Associate Professor of Mathematics, 1913-15.

LEWIS, MAYONE, 4324 Pine Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1908-09. A.B., Bryn Mawr College, 1908, group, Greek and Latin. Student, Universities of Munich and Paris, 1908-09; Teacher of English, Rosemary Hall, Greenwich, Conn., 1909-15.

LOWENGRUND, HELEN MOSS, 1827 North 18th Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1906-07. A.B., Bryn Mawr College, 1906, group, Latin and English, and A.M., 1907. Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Scholar in English, 1907-08, and Graduate Student in English, 1909-10; Research Student in British Museum, 1910-11; Teacher of History in the Girls' High School, Philadelphia, 1909-10, and of English, 1911-15.

MADDISON, ISABEL, 217 Roberts Road, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1894-95. University College of South Wales and Monmouthshire, 1885-89; Girton College, University of Cambridge, England, 1889-92; Mathematical Tripos, First Class, 1892; Oxford Mathematical Final Honour School, 1892; B.Sc., University of London, Mathematical Honours, 1893; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics, Applied Mathematics and Physics; A.B., Trinity College, Dublin, 1905. Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Student in Mathematics, University of Göttingen, 1894-95; Assistant Secretary to the President, Bryn Mawr College, 1895-96; Secretary to the President, and Reader in Mathematics, 1896-1904; Assistant to the President and Reader in Mathematics, 1904-06, and Assistant to the President and Associate in Mathematics, 1906-10; Recording Dean and Assistant to the President, 1910-15.

MARTIN, EMILIE NORTON, Mt. Holyoke College, South Hadley, Mass.

Holder of the Mary E. Garrett European Fellowship, 1897-98. A.B., Bryn Mawr College, 1894, group, Latin and Mathematics, and Ph.D., 1901, subjects, Mathematics and Physics. Graduate Student, Bryn Mawr College, First Semester, 1894-95, 1896-97, 1901-02, 1906-07; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., January-June, 1895; Fellow in Mathematics, Bryn Mawr College, 1895-96; Student, University of Göttingen, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1898-99; Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1899-1900; Private Tutor, 1899-1903; Instructor in Mathematics, Mt. Holyoke College, 1903-04, First Semester, 1904-05, 1907-11, and Associate Professor of Mathematics, 1911-15.

MORSE, KATE NILES, 24 Park Street, Haverhill, Mass.

Holder of the Mary E. Garrett European Fellowship, 1901-02. A.B., Mt. Holyoke College, 1898, and A.M., 1900. Graduate Student, Bryn Mawr College, 1898-99; Fellow in Greek, Bryn Mawr College, 1900-01; Universities of Berlin and Munich, and American School of Classical Studies, Athens, 1901-02; Graduate Student, Radcliffe College, 1903, 1906-07.

NICHOLS, HELEN HAWLEY, Pomeroy Hall, Wellesley, Mass.

Holder of the Mary E. Garrett European Fellowship, 1908-09. A.B., Marietta College, 1906; Ph.D., Bryn Mawr College, 1911, subjects, Hebrew, Aramaic and New Testament Greek. Graduate Student, Bryn Mawr College, 1906-07, and Graduate Scholar in Semitic Languages, 1907-08, 1909-10; Student, University of Oxford, 1908-09; Instructor in Biblical History, Wellesley College, 1911-15.

NOWLIN, NADINE, 1144 Louisiana Street, Lawrence, Kan.

Holder of the President's European Fellowship, 1906-07. A.B. and A.M., University of Kansas, 1903. Fellow in Biology, Bryn Mawr College, 1905-06; Demonstrator in Biology, University of Kansas, 1906-08; Graduate Student, University of Munich, 1908-09; Zoological Station, Naples, 1909; Instructor in Zoology, University of Kansas, 1910-13, and Assistant Professor of Zoology, 1913-15.

PARK, MARION EDWARDS, Oberlin, O.

Holder of the Bryn Mawr European Fellowship, 1898-99. A.B., Bryn Mawr College, 1898, group, Greek and English, and A.M., 1899. Graduate Student, Bryn Mawr College, 1898-99, 1912-14; Graduate Student, Autumn Quarter, University of Chicago, 1900-01;

American School of Classical Studies, Athens, Greece, 1901-02; Instructor in Classics, Colorado College, 1902-03, 1904-06, and Acting Dean of Women, 1903-04; Teacher in Miss Wheeler's School, Providence, R. I., 1906-09; Acting Dean of the College, Bryn Mawr College, 1911-12; Assistant Professor of Classics, Colorado College, 1914-15.

PARKHURST, HELEN HUSS, See page 18.

PARRIS, MARION, Low Buildings, Bryn Mawr, Pa.

Holder of Bryn Mawr College Research Fellowship, 1906-07. A.B., Bryn Mawr College, 1901, group, History and Political Science, and Ph.D., 1909, subjects, Economics and Politics and Philosophy. Private Tutor, 1901-02; Warden of Summit Grove, Bryn Mawr College, 1902-04, and of Rockefeller Hall, 1904-05; Graduate Student, Bryn Mawr College, 1902-05; Fellow in Economics, Bryn Mawr College, 1905-06; Student, University of Vienna, 1906-07; Reader in Economics and Politics, Bryn Mawr College, 1907-08, Associate in Economics and Politics, 1908-11, and Associate Professor, 1911-15; Chairman of Executive Committee of Bureau of Occupations for Trained Women, Philadelphia, 1912-15.

Married, 1912, *Professor William Roy Smith*.

PEEBLES, FLORENCE, 815 Old Lancaster Road, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1898-99. A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900, subjects, Morphology and Physiology. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-11; Scholar of the Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Student, University of Bonn, Summer, 1906; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-11, 1913-15; Holder of American Woman's Table in Zoological Station, Naples, Spring, 1907; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10, and Private Tutor, 1907-12, 1913-15; Fellow of the Association of Collegiate Alumnae, Boston Branch, and Student and Research Worker, Germany and France, 1912-13; Lecturer in Biology, Bryn Mawr College, as Substitute for Professor of Biology, Oct.-Dec., 1913.

PERKINS, ELIZABETH MARY, 2429 Green Street, San Francisco, Cal.

Holder of the Bryn Mawr European Fellowship, 1900-01. A.B., Bryn Mawr College, 1900, group, Greek and Latin, and Ph.D., 1904, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1900-01; Student, Universities of Berlin and Munich, 1901-02; Fellow in Latin, Bryn Mawr College, 1902-03; Teacher of Latin and German in the Western High School, Washington, 1903-04, of Latin, 1904-05, and of Greek and Latin, 1905-06; Instructor in Latin, Vassar College, 1906-07; Graduate Student, Columbia University, 1907-08; Tutor in Latin, High School Department, Normal College, New York City, 1907-09; on leave of absence, 1909-10.

Married, 1910, *Mr. Eric Charles William Scheel Lyders*. One daughter.

PINNEY, MARY EDITH, See page 22.

Holder of President's European Fellowship, 1911-12.

RAGSDALE, VIRGINIA, Jamestown, N. C.

Holder of the Bryn Mawr European Fellowship, 1896-97. S.B., Guilford College, 1892. Graduate Scholar in Mathematics, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr College, 1893-97. A.B., Bryn Mawr College, 1896; Ph.D., 1906, subjects, Mathematics and Physics. Assistant Demonstrator in Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen, 1897-98; Teacher of Science and Mathematics, in the Bryn Mawr School, Baltimore, Md., 1898-1900, and Assistant Teacher of Mathematics, 1900-01; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, Graduate Scholar, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02; Fellow in Mathematics, Bryn Mawr College, 1902-03; Teacher of Mathematics in Dr. J. Sachs's School for Girls, New York City, 1903-05; Teacher of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1906-11, Reader in Mathematics, Bryn Mawr College, 1908-10, and Fellow by Courtesy, 1910-11; Associate in Mathematics, North Carolina State Normal and Industrial College, Greensboro, N. C., 1912-15, with leave of absence, 1913-15.

REIMER, MARIE, 420 West 118th Street, New York City.

Holder of the Mary E. Garrett European Fellowship, 1902-03. A.B., Vassar College, 1897, and Ph.D., Bryn Mawr College, 1903, subjects, Chemistry and Physiology. Graduate Scholar in Chemistry, Vassar College, 1897-98; Assistant in the Chemical Laboratory, Vassar College, 1898-99; Fellow in Chemistry, Bryn Mawr College, 1899-1900, 1901-02; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Student, University of Berlin, 1902-03; Lecturer in Chemistry, Barnard College, 1903-04, Instructor in Chemistry, 1904-09; Adjunct Professor of Chemistry, 1909-11, and Associate Professor, 1911-15.

ROE, ADAH BLANCHE, 1516 North 27th Street, Omaha, Neb.

Ottendorfer Memorial Research Fellow, 1911-12, 1913-14. A.B., Woman's College of Baltimore, 1909. Scholar in German, Bryn Mawr College, 1909-11; Student, University of Berlin, 1911-12; Fellow in German, Bryn Mawr College, 1912-13; Student, University of Leipzig, 1913-14; Professor of German, Simpson College, Indianola, Iowa, 1914-15.

SAMPSON, LILIAN VAUGHAN, 409 West 117th Street, New York City.

Holder of the Bryn Mawr European Fellowship, 1891-92. A.B., Bryn Mawr College, 1891, group, Mathematics and Physics, and A.M., 1894. Student, University of Zürich, 1892-93; Graduate Student, Bryn Mawr College, 1891-92, and 1893-99; Research Work in Biology, 1904-06.

Married, 1904, *Professor Thomas Hunt Morgan*. One son, three daughters.

SANDISON, HELEN ESTABROOK, Vassar College, Poughkeepsie, N. Y.

Holder of Special European Fellowship, 1909-10. A.B., Bryn Mawr College, 1906; A.M., 1907, and Ph.D., 1911, subjects, English Philology, English Literature, and Latin. Graduate Scholar, Bryn Mawr College, 1906-07, 1910-11; Assistant Principal of the the High School, Brookville, Ind., 1907-08; Fellow in English, Bryn Mawr College, 1908-09; Student, University of Oxford, 1909-10; Reader in English, Bryn Mawr College, 1911-13; Instructor in English, Vassar College, 1913-15.

SCHAEFFER, HELEN ELIZABETH, Died, 1913.

Holder of the Mary E. Garrett European Fellowship, 1905-06. A.B., Dickinson College, 1903, and A.M., 1905; Ph.D., Bryn Mawr College, 1908, subjects, Physics, Pure and Applied Mathematics. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08, 1909-11; Fellow in Physics, Bryn Mawr College, 1904-05; Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, 1907-08, 1910-12; Reader in Mathematics, Bryn Mawr College, Second Semester, 1909-10, 1911-12.

Married, 1908, *Dr. William Bashford Huff*. One son, one daughter († 1913).

SCHENCK, EUNICE MORGAN, Low Buildings, Bryn Mawr, Pa.

Holder of President's European Fellowship, 1910-11. A.B., Bryn Mawr College, 1907, and Ph.D., 1913, subjects, Modern French Literature, Old French, and Spanish. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1910-11, and Fellow in Romance Languages, 1912-13; Student at the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12; Reader in French, Bryn Mawr College, 1913-14. Associate in French, 1914-15, and Teacher of French in the Phebe Anna Thorne Model School, 1913-15.

SCHMIDT, GERTRUD CHARLOTTE, Bryn Mawr, Pa.

Holder of the President's European Fellowship, 1904-05. B.L., University of Wisconsin, 1900; A.M., Radcliffe College, 1903; Ph.D., Bryn Mawr College, 1913, subjects, Teutonic Philology, German Literature and Sanskrit. Graduate Student, Radcliffe College, 1900-01, 1902-03; Assistant in German, Smith College, 1901-02; Graduate Student, Bryn Mawr College, 1903-05, 1906-09; Teacher of German in Miss Wright's School, Bryn Mawr, Pa., 1903-05, 1906-15; Student, University of Leipsic, 1905-06, University of Grenoble, Summer, 1905.

SHEARER, EDNA ASTON, Low Buildings, Bryn Mawr, Pa.

Holder of the President's European Fellowship, 1905-06. A.B., Bryn Mawr College, 1904, group, English and Philosophy. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-10, and Graduate Student, Bryn Mawr College, 1907-08, 1909-10; Reader in English, Bryn Mawr College, 1910-15, and in Philosophy, 1914-15.

SHIELDS, EMILY LEDYARD, 311 Dolphin Street, Baltimore, Md.

Holder of the Bryn Mawr European Fellowship, 1905-06. A.B., Bryn Mawr College, 1905, group, Greek and Mathematics, and A.M., 1906. Graduate Student, Bryn Mawr College, 1905-06; Recording Secretary and Appointment Secretary, Bryn Mawr College, 1906-07; Student, University of Oxford, and University of Berlin, 1907-08; Teacher of Greek and Mathematics in the Bryn Mawr School, Baltimore, Md., 1909-12, and of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1912-13; Graduate Student, Johns Hopkins University, 1913-15.

SHIPLEY, KATHARINE MORRIS, Bryn Mawr, Pa.

Holder of the Bryn Mawr European Fellowship, 1890-91. A.B., Bryn Mawr College, 1890, group, Latin and English. Student in Latin and English, University of Leipsic, 1890-91; Sorbonne and Collège de France, 1891-92; Newnham College, University of Cambridge, England, May Term, 1892; Associate Principal and Supervisor of English in the Misses Shipley's School, Bryn Mawr, Pa., 1894-1913, and Principal, 1913-15.

STEVENS, NETTIE MARIA, Died, 1912.

Holder of the President's European Fellowship, 1901-02. A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903, subjects, Morphology and Physiology. Student, Hopkins Seaside Laboratory, Pacific Grove, Cal., summers, 1897, 1898, and 1899; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Zoological Station, Naples, 1901-02; University of Wurzburg, 1902, 1908-09; Fellow in Biology, Bryn Mawr College, 1902-03; Research Fellow in Biology, First Semester, 1903-04; Reader in Experimental Morphology, 1904-05, and Associate in Experimental Morphology, 1905-12; Carnegie Research Assistant, 1904-06; Alice Freeman Palmer Research Fellow, on leave of absence, 1908-09.

STITES, SARA HENRY, Simmons College, Boston, Mass.

Holder of the President's European Fellowship, 1900-01. A.B., Bryn Mawr College, 1899, group, History and Political Science, A.M., 1900, and Ph.D., 1904, subjects, Economics and Politics and History. Graduate Scholar in History and Political Science, Bryn Mawr College, 1899-1900; Student at the Sorbonne and Collège de France, 1900-01; University of Leipsic, 1901-02; Graduate Scholar and Fellow by Courtesy in Political Science, Bryn Mawr College, 1902-04; Co-Principal of the Wilkes Barre Institute, Wilkes Barre, Pa., 1904-13; Instructor in Economics, Simmons College, 1913-15.

SWINDLER, MARY HAMILTON, Low Buildings, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1909-10. A.B., University of Indiana, 1905, A.M., 1906, and Ph.D., Bryn Mawr College, 1912, subjects, Greek, Latin and Archaeology. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Student, University of Berlin, and American School of Classical Studies, Athens, 1909-10; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1910-11; and in Miss Wright's School, Bryn Mawr, 1911-12; Acting Dean of Women, University of Indiana, Summer 1911, 1913; Reader in Latin, Bryn Mawr College, 1911-13; Demonstrator in Archaeology, 1912-13; and Reader in Latin and Reader and Demonstrator in Classical Archaeology, 1913-15; Teacher of Latin in the Phebe Anna Thorne Model School, 1914-15.

TRAVER, HOPE, 26 Oakland Terrace, Hartford, Conn.

Holder of the Mary E. Garrett European Fellowship, 1904-05. A.B., Vassar College, 1896; Ph.D., Bryn Mawr College, 1907, subjects, English and History. Graduate Student, Bryn Mawr College, and Private Tutor, Whitford, Pa., 1901-02; Graduate Scholar, Bryn Mawr College, and Teacher of English in Miss Wright's School, Bryn Mawr, Pa., 1902-03; Fellow in English, Bryn Mawr College, 1903-04; Student, University of Munich, 1904-05, and First Semester, 1905-06; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, Second Semester, 1905-06; Teacher of English in Huntington Hall, Los Angeles, Cal., 1906-09; Teacher of English Literature, Mills College, California, 1909-11, and Professor of English, 1911-15.

TREDWAY, HELEN, 45 Fenelon Place, Dubuque, Ia.

Holder of the Bryn Mawr European Fellowship, 1911-12. A.B., Bryn Mawr College, 1911, group, Physics and Chemistry, and A.M., 1912. Graduate Scholar in Chemistry, Bryn Mawr College, 1911-12; Student of Chemistry, University of Göttingen, 1912-13; Fellow in Chemistry, University of Chicago, 1913-15.

WADE, CLARA LOUISE WHIPPLE, 646 Park Avenue, New York City.

Holder of the Bryn Mawr European Fellowship, 1904-05. A.B., Bryn Mawr College, 1904, group, Greek and Latin. Scholar in Latin, Bryn Mawr College, and Private Tutor, 1904-05; Student, University of Munich, 1905-06; Graduate Student, Bryn Mawr College, and Private Tutor, 1906-09; Teacher of Latin and German in the Misses Shipley's School, Bryn Mawr, Pa., 1907-10; Teacher of Latin and Greek in Miss Knox's School, Briarcliff Manor, N. Y., 1910-11, and in the Charlton School, New York City, 1911-15.

WARREN, WINIFRED, 805 Comstock Avenue, Syracuse, N. Y.

Holder of the Mary E. Garrett European Fellowship, 1896-97. A.B., Boston University, 1891, and A.M., 1894; Ph.D., Bryn Mawr College, 1898, subjects, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1893-94, and Fellow by Courtesy in Latin, 1894-96; Student in Classical Philology, Universities of Munich and Berlin, 1896-97; Instructor in Latin, Vassar College, 1897-1902.

Married, 1902, *Mr. George Arthur Wilson*.

WEUSTHOFF, ANNA SOPHIE, 106 Northern Avenue, New York City.

Holder of Special Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1907-08. Holder of Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1908-09. A.B., Woman's College of Baltimore, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-09; Alumnae Fellow of Goucher College and Graduate Student of Bryn Mawr College, 1909-10; Teacher of German in the Misses Shipley's School, Bryn Mawr, Pa., 1910-14.

Married, 1914, *Mr. Joseph Albert Mosher*.

Former Resident Fellows.

ALBERT, GRACE,.....The College Inn, Bryn Mawr, Pa.

Fellow in History, 1903-04. A.B., Bryn Mawr College, 1897, group, Greek and Latin, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08; Graduate Scholar in History and Economics and Politics, 1902-03; Student, University of London, engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04; Head of Department of History in the Misses Shipley's School, Bryn Mawr, 1906-15.

ATKINSON, MABEL, 28 Colville Square, Bayswater, London, W., England.

Fellow in Economics and Politics, 1902-03. A.M., Glasgow University, 1900. Holder of Research Studentship, London School of Economics, 1900-02; Classical Mistress, High School, Newcastle, England, 1903-04; Lecturer in Philosophy and Assistant to the Professor of Classics, Armstrong College, University of Durham, 1904-08; Member of the Board of Faculties, University of Durham, 1905-07; Honorary Secretary, Settlement Association, Newcastle-on-Tyne, 1906-07; Lecturer in Economics, King's College, London, 1908-13, and Lecturer in Economics to the Woman's Educational Association, London, 1910-13; Member of Boards of Studies in Economics and Sociology, London University, 1912-14.

AVEN, ANNA WARD,.....401 East Market Street, Greenwood, Miss.

Fellow in Latin, 1908-09. A.B., Mississippi College, 1905. Graduate Student in Greek and Latin, Bryn Mawr College, 1906-07, and Graduate Scholar in Latin, 1907-08. Instructor in Latin, Hillman College, Clinton, Miss., 1905-06; Head of Normal Department, Mississippi State College for Women, 1909-10.

Married, 1910, *Mr. William Madison Whittington*. Two daughters (one † 1913).

BAKER, MABEL WHITMAN,.....3100 Newark Street, Washington, D. C.

Fellow in Latin, 1896-97. Columbian University, 1893-95; Teacher in Norwood Institute, Washington, 1895-96; Teacher of Latin in the Western High School, Washington, 1897-1903.

Married, 1903, *Mr. Alfred Hulse Brooks*. One son, one daughter.

BANCROFT, JANE M.,.....425 Cass Avenue, Detroit, Mich.

Fellow in History, 1885-86. Ph.B., Syracuse University, 1877, Ph.M., 1880, and Ph.D., 1884. Dean of Woman's College and Professor of French Language and Literature, Northwestern University, 1877-85; University of Zürich, 1886-87; Sorbonne and Collège de France, 1888.

Married, 1891, *Mr. George Orville Robinson*.

BARTLETT, HELEN,.....Vermejo Park, Colfax Co., New Mexico.

Fellow in English, 1893-94. Newnham College, University of Cambridge, England, 1889; studied in Berlin, 1882-84, and 1890. A.B., Bryn Mawr College, 1892, group, English and German, A.M., 1893, and Ph.D., 1896, subjects, English and German. Graduate Student, Bryn Mawr College, 1892-93, 1894-95; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1894-95; Instructor in German and French in the Portland Academy, Portland, Ore., 1896-97; Dean of Women, Head of the Modern Language Department and Assistant Professor of German in the Bradley Polytechnic Institute, Peoria, Ill., 1897-1904, Dean of Women, Head of the Modern Language Department, and Professor of German, 1904-09; Student, University of Berlin, 1905; Travelling in Europe, 1907-10, 1913-14, and in California and New Mexico, 1910-11.

DE BEAUREGARD, ESTHER TONTANT, 117 Collier Street, Toronto, Canada.

Fellow in Romance Languages, 1894-95. A.B., University of Toronto, 1894; Ontario Normal College, 1895-96; Teacher of Modern Languages, Niagara Falls Collegiate Institute, 1896-1900; Graduate Student in English, University of Pennsylvania, 1900-01; Teacher of English and French in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1900-05.

Married, 1905, *Mr. Percy James Robinson*.

BECKWITH, MINNIE ADA,.....30 Home Street, New London, Conn.

Fellow in Latin, 1903-04. A.B., University of Chicago, 1902. Graduate Scholar, University of Chicago, 1902-03; Graduate Student, Bryn Mawr College, 1907-08; Teacher of Latin and Greek in the Baldwin School, Bryn Mawr, Pa., 1904-12, and Head of Latin Department, 1912-15.

BENNESON, CORA AGNES, 3 Phillips Place, Cambridge, Mass.
Fellow in History, 1887-88. A.B., University of Michigan, 1878, LL.B., 1880, and A.M., 1883. Graduate Student, Radcliffe College, 1897-1902; Attorney and Counsellor-at-Law, Cambridge, 1894-1915; Special Commissioner in Massachusetts, 1895-1915; Member of the Massachusetts Bar Association, 1915.

BILLS, MARION ALMIRA, See page 18.
Fellow in Psychology, 1913-15.

BLAKE, SUE AVIS, Merion Station, Pa.
Fellow in Physics, 1906-07. A.B., Bryn Mawr College, 1898, group, Mathematics and Physics, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, 1904-06; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Private Tutor, 1909-10; Instructor in Physics, Smith College, 1910-14.

BLANCHARD, ELIZABETH MILLER, Bellefonte, Pa.
Fellow in Mathematics, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Mathematics. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1891-92; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1895-1908, and in Miss Irwin's School, Philadelphia, 1896-1908; Graduate Student, Bryn Mawr College, 1902-03; Assistant Manager of the Bellefonte Basket Shop, 1908-15. Married, 1914, *Dr. Robert Mills Beach*.

BORING, ALICE MIDDLETON, See page 23.
Fellow in Biology, 1906-07.

BOURLAND, CAROLINE BROWN, See page 23.
Fellow in Romance Languages, 1898-99.

BOWERMAN, HELEN COX, Wilson College, Chambersburg, Pa.
Fellow in Archaeology, 1909-11. A.B., Mount Holyoke College, 1901; A.M., University of Rochester, 1903, and Ph.D., Bryn Mawr College, 1912, subjects, Classical Archaeology and Latin. Teacher of English and Latin in the High School, Macedon, N. Y., 1903-05; Instructor in Latin, Western College for Women, Oxford, O., 1905-07; Associate Professor of Latin, 1907-08; Graduate Scholar in Archaeology, Bryn Mawr College, 1908-09; Fellow by Courtesy, 1911-12; University of Bonn, Summer, 1910; American School of Classical Studies, Rome, 1910-11; Holder of '86 Fellowship of Mt. Holyoke College, and Fellow by Courtesy, Bryn Mawr College, 1911-12; Instructor in Latin and Greek, Wilson College, 1912-15.

BRAMHALL, EDITH CLEMENTINE, Rockford College, Rockford, Ill.
Fellow in History, 1898-99. A.B., University of Indiana, 1895; A.M., University of Pennsylvania, 1896, and Ph.D., 1898; Teacher of History in the Manual Training High School, Indianapolis, Ind., 1899-1900; Instructor in History and Economics, Rockford College, 1900-02, and Professor, 1902-15.

BROMBACHER, CAROLINE GARNAR,
177 Woodruff Avenue, Brooklyn, New York City.
Fellow in Greek, 1896-97. A.B., Barnard College, 1895. Assistant Teacher of Mathematics and Latin in the Erasmus Hall High School, Brooklyn, 1897-99, of Mathematics and Greek, 1899-1901, and of Greek, 1901-06; Graduate Student, Columbia University, 1903-04. Married, 1906, *Mr. Sidney G. Stacey*.

BROOKS, HARRIET, See page 24.
Fellow in Physics, 1901-02.

BROWNELL, JANE LOUISE, Bryn Mawr, Pa.
Fellow in Political Science, 1893-94. A.B., Bryn Mawr College, 1893, group, History and Political Science, and A.M., 1894. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1894-1902, and Associate Mistress, 1897-1902; Associate Principal of Miss Florence Baldwin's School, Bryn Mawr, 1902-06; Head of the Baldwin School, Bryn Mawr, 1906-15.

BRUSSTAR, MARGARET ELIZABETH, See page 24.
Fellow in Mathematics, 1910-11.

BURNLEY, MARY CLOYD, 1029 Grove Street, Evanston, Ill.
Fellow in Chemistry, 1897-98. A.B., Woman's College of Baltimore, 1897, and A.M., 1899. Assistant in Chemistry, Vassar College, 1898-1900, and Instructor in Chemistry, 1900-1908; Research Fellow in Chemistry, Bryn Mawr College, 1908, 1908-09; Church Worker, 1911-13.

Married, 1909, *The Rev. James Madison Stifler*. Two daughters.

BYRNES, ESTHER FUSSELL,
193 Jefferson Avenue, Brooklyn, New York City.

Fellow in Biology, 1894-95. A.B., Bryn Mawr College, 1891, group, Chemistry and Biology, A.M., 1894, and Ph.D., 1898, subjects, Morphology and Physiology. Assistant in Biological Laboratory, Vassar College, 1891-93; Graduate Scholar in Biology, Bryn Mawr College, 1893-94, and Graduate Student in Biology, 1895-97; Teacher of Physiology and Zoology in the Girls' High School, Brooklyn, New York City, 1897-1915; Fellow of the New York Academy of Science; Chairman of the Section of Biology of the New York State Science Teachers' Association, 1906.

CADY, MARY LOUISE, See page 24.
Fellow in Greek, 1905-06.

CALDERHEAD, IRIS GALLANT, Marysville, Kan.
Fellow in English, 1912-13. A.B., Kansas University, 1910. Graduate Scholar in English, Bryn Mawr College, 1910-11; Teacher in the High School, Dayton, Wash., 1911-12; Assistant Principal of the High School, Marysville, and Teacher of English and History, 1913-15.

CAM, HELEN MAUD, Paulers Pury Rectory, Towcester, England.
Fellow in History, 1908-09. B.A., University of London, 1908, and M.A., 1909. Royal Holloway College, 1904-07. Assistant Mistress, Cheltenham Ladies' College, 1909-12; Assistant Lecturer in History, Royal Holloway College, 1912-14.

CAMPBELL, GERTRUDE HILDRETH, See page 20.
Fellow in English, 1913-14.

CHAMBERLAIN, ETHEL MARY, 89 Migeon Avenue, Torrington, Conn.
Fellow in Philosophy, 1908-09. A.B., Lombard College, 1906; Ph.D., University of Chicago, 1911. Graduate Student, University of Chicago, 1906-08, 1910-11, and Fellow in Psychology, 1909-10.

Married, 1911, *Mr. Gail Quincy Porter*. One son.

CLARK, MABEL PARKER, 145 West 78th Street, New York City.
Fellow in English, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and English, and A.M., 1890. Reader in English, and Graduate Student, 1890-93; Graduate Student, Barnard College, 1893-94; Chairman of Local School Board, District 14, New York City, 1913-15.

Married, 1894, *Dr. John Henry Huddleston*. Two daughters, one son.

CLARKE, MARY PATTERSON, 721 Illinois Street, Lawrence, Kan.
Fellow in History, 1906-07. A.B., University of Kansas, 1903, and A.M., 1905. Graduate Student, University of Kansas, 1904-05, and Fellow in History, 1905-06; Principal and Teacher of History in the High School, Cartersville, Mo., 1907-08; Teacher of History in the High School, Perry, Okla., 1910-12.

CLOUGH, IDA PRESCOTT, 37 Cedar Street, Somerville, Mass.
Fellow in Latin, 1900-01. A.B., Radcliffe College, 1896, and A.M., 1900. Graduate Student, Radcliffe College, 1899-1900; University of Berlin, 1901-02.

COLE, ANNA LEWIS, 2000 Green Street, Philadelphia.
Fellow in Romance Languages, 1895-96. A.B., Woman's College of Baltimore, 1892, and A.M., 1894. Student in English and French, Sorbonne, 1894-95; Head Teacher of Modern Languages, Winthrop Normal and Industrial College, Rock Hill, S. C., 1897-1903, 1904-05; Fellow in Romance Languages, University of Chicago, 1903-04; Head of French Department, Friends' Central School, Philadelphia, 1905-07; Graduate Student, Bryn Mawr College, 1906-07, 1910-11, and University of Pennsylvania, 1906-07; Teacher of French in Sweet Briar Institute, Sweet Briar, Va., 1907-08, and Head of French Department, 1908-10; Instructor in French in the Girls' High School, Philadelphia, 1910-14.

COLIN, THÉRÈSE F., Died, 1913.
Fellow in Romance Languages, 1893-94. Diplômée et agrégée, Collège de Neuchâtel, 1875; A.M., Leland Stanford, Jr., University, 1893; Ph.D., University of Pennsylvania, 1897; Officier de l'Instruction Publique, Paris, 1906; Muséum d'Histoire Naturelle,

- Paris, 1883-85; University of the City of New York, 1887-88; Reader in Romance Languages, and Graduate Student, Bryn Mawr College, 1894-96; Student in Romance Philology and Literature, Sorbonne, Collège de France, Ecole des Hautes Etudes, Ecole des Chartes, Paris, 1895; Head of French Department in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1896-1904; Associate Professor of French, Wellesley College, 1904-06, Professor-Elect, 1906-07, and Professor of French Language and Literature, 1907-13, and Head of the Department of French, 1905-13; Professor of French Language and Literature, University Extension Department of Harvard University, 1910-11.
- Married, —, *Mr. Alfred Colin* (†).
- COOPER, ELVA, 4521 Nineteenth Avenue, S. E., Seattle, Wash.
Fellow in Mathematics, 1907-08. A.B., University of Wisconsin, 1904, and A.M., 1906. Student in Mathematics, University of Wisconsin, 1905-06, Graduate Scholar in Mathematics, and Teacher of Mathematics, 1906-07; Instructor in Mathematics, University of Washington, 1908-10, and University of Colorado, 1910-13.
- Married, 1913, *Professor Carl Edward Magnusson*.
- COULTER, CORNELIA CATLIN, See page 24.
Fellow in Latin, 1909-10; Fellow in Greek, 1910-11.
- CRAWFORD, THYRA, 5802 B, Lansdowne Avenue, Philadelphia.
Fellow in German, 1911-12. A.B., Goucher College, 1903; A.M., University of Minnesota, 1910. Graduate Student, University of Minnesota, 1908-10; Teacher in the High School, Ada, Minn., 1903-04; Principal of the High School, Excelsior, Minn., 1904-11; Instructor in German, William Penn High School for Girls, Philadelphia, 1912-15.
- CUMMINGS, LOUISE D., 256 Main Street, East, Hamilton, Ontario, Canada.
Fellow in Mathematics, 1898-99. A.B., University of Toronto, 1895, and A.M., 1902; Ph.D., Bryn Mawr College, 1914, subjects, Mathematics, Applied Mathematics and Physics. Fellow, University of Pennsylvania, 1896-97; Examiner in Mathematics, University of Toronto, 1897; Graduate Student, University of Chicago, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1900; Instructor in Mathematics, St. Margaret's College, Toronto, Ont., 1901-02; Graduate Scholar, Bryn Mawr College, First Semester, 1905-06; Instructor in Mathematics, Vassar College, 1902-15.
- DARKOW, ANGELA CHARLOTTE, 3911 Poplar Street, Philadelphia.
Fellow in Greek, 1912-14. A.B., Bryn Mawr College, 1911, and A.M., 1912. Graduate Scholar in Greek, Bryn Mawr College, 1911-12; Private Tutor, 1914-15.
- DAVIS, SARAH WHITE, Lapeer, Mich.
Fellow in History, 1910-11. A.B., Mt. Holyoke College, 1909, and A.M., 1910. Graduate Student, Mt. Holyoke College, 1909-10; Mary E. Woolley Fellow of Mt. Holyoke College and Student, University of Oxford, 1911-12; Teacher of History, Virginia College, Roanoke, Va., 1913-14; Instructor in History, Margaret Morrison Carnegie School, Carnegie Institute of Technology, Pittsburgh, Pa., 1914-15.
- DENIS, WILLEY,
Laboratory of Biological Chemistry, Harvard Medical School,
Boston, Mass.
Fellow in Chemistry, 1902-03. A.B., Tulane University, 1899, and A.M., 1902; Ph.D., University of Chicago, 1907. Graduate Student, Bryn Mawr College, 1899-1901; Tulane University, 1901-02, 1903-04, University of Chicago, 1905-07; Assistant Chemist, U. S. Department of Agriculture, Bureau of Foods, 1907-09; Research Assistant, Harvard Medical School, 1910-13; Chemist, Massachusetts General Hospital, Boston, 1913-15.
- DOVER, MARY VIOLETTE,
194 Hunter Street East, Peterborough, Ontario, Canada.
Fellow in Chemistry, 1905-06. A.B., McGill University, 1898, and M.Sc., 1900; Ph.D., University of Breslau, 1908. Instructor in Chemistry, Mt. Holyoke College, 1909-14; Student, University of Chicago, Summer, 1914.
- DOWNEY, KATHERINE MELVINA, Wheaton, Minn.
Fellow in Physics, 1913-14. A.B., University of Minnesota, 1910, and A.M., 1913. Teacher of Mathematics in the High School, Luverne, Minn., 1910-12; Instructor in Physics, Mt. Holyoke College, 1914-15.
- DUCKETT, ELEANOR SHIPLEY, ... Bank House, Frome, Somerset, England.
Fellow in Latin, 1912-13. B.A., University of London, 1902, and M.A., 1904. Girton College, University of Cambridge, England, 1908-11; Classical Tripos, Part I, 1911. Classical Mistress in the High School, Sutton, Surrey, 1905-07; British Graduate Scholar, Bryn Mawr College, 1911-12, and Special British Graduate Scholar, 1913-14; Instructor in Latin in the Western College for Women, Oxford, O., 1914-15.

DUDLEY, LOUISE,.....Georgetown, Ky.

Fellow in English, 1906-07. A.B., Georgetown College, 1905; Ph.D., Bryn Mawr College, 1910, subjects, English Philology, English Literature, and English History. Graduate Student, Bryn Mawr College, 1905-06, and Graduate Scholar, 1910. Teacher of Mathematics and Latin in Kemper Hall, Kenosha, Wis., 1907-08; Research Student, Bibliothèque Nationale, Paris, 1908-09, and Student, Oxford University, First Semester, 1909-10; Instructor in English Literature, Mt. Holyoke College, 1910-11; Head of the English Department, Stephens College, Columbus, Mo., 1913, 1913-14; Professor of English Literature, Lawrence College, Appleton, Wis., 1914-15.

EDDINGFIELD, JUNE CHRISTINA,.....New Ross, Ind.

Fellow in German, 1913-14. A.B., University of Indiana, 1906. Student, University of Indiana, Summer Semesters, 1908, 1910, 1911, 1912. Assistant Principal of the High School, Swayzee, Ind., 1906-08; Head of German Department in the High School, Elwood, Ind., 1908-12; Graduate Scholar in German, Bryn Mawr College, 1912-13; Teacher in the High School, Wingate, Ind., 1914-15.

EDDY, HELEN MAY,.....Marengo, Ia.

Fellow in Latin, 1904-05. A.B., University of Iowa, 1900, and A.M., 1903. Fellow in Latin, University of Iowa, 1901-04. Teacher of Latin in the High School, Fairfield, Ia., 1905-06, and of Latin and Greek in the Winona Park School for Women, Winona Lake, Ind., 1906-08; Teacher of Latin and German in the State Normal School, Mayville, N. D., 1908-13; Student, National German American Academy, Milwaukee, Wis., 1914-15.

EDMAND, MARIETTA JOSEPHINE, E. 1846 Ninth Avenue, Spokane, Wash.

Fellow in Latin, 1897-98. A.B., Central University of Iowa, 1887, and A.M., 1890; A.B. and A.M., University of Chicago, 1897. Assistant in Academic Department, Iowa Wesleyan University, 1887-90, and Principal of Academic Department, 1890-93; Professor of Latin, Iowa Wesleyan University, 1893-95; Graduate Student in Greek and Latin, University of Chicago, 1895-97; Professor of Latin and Greek, Milwaukee-Dowder College, Milwaukee, Wis., 1898-99, and Professor of Latin, 1899-1903; American School of Classical Studies, Rome, 1901-02.

Married, 1903, *Dr. Frederic Perry Noble*. One daughter.

EDWARDS, KATHARINE MAY,.....Wellesley College, Wellesley, Mass.

Fellow in Greek, 1888-89. A.B., Cornell University, 1888, and Ph.D., 1895. Instructor in Greek, Wellesley College, 1889-93; Graduate Student, Cornell University, 1893-94; Associate Member of American School of Classical Studies, Athens, 1913-14; Associate Professor of Greek, Wellesley College, 1894-1901, and Associate Professor of Greek and Comparative Philology, 1901-15.

ELLIS, ELLEN DEBORAH,.....See page 25.

Fellow in Economics and History, 1904-05.

EVERS, HELEN MARGARET,.....12510 Mayfield Road, Cleveland, O.

Fellow in Romance Languages, 1903-05. A.B., Washington University, 1899; A.M., University of Missouri, 1902; Ph.D., Bryn Mawr College, 1905, subjects, French and Spanish. Graduate Student, University of Missouri, 1901-02, and Fellow in Romance Languages, 1902-03; Fellow in Romance Languages, Bryn Mawr College, 1903-05; Teacher of French in the Gleim School, Pittsburgh, Pa., 1906-07; Acting Instructor in Romance Languages, University of Missouri, 1905-06, and Instructor, 1907-09; Instructor in the International Institute for Girls, Madrid, Spain, 1909-10; Instructor in Romance Languages, College for Women of Western Reserve University, 1910-13; Teacher of French in Mary Institute, St. Louis, Mo., 1913-14.

FAHNESTOCK, EDITH,.....Vassar College, Poughkeepsie, N. Y.

Fellow in Romance Languages, 1897-98. L.B., Western Reserve University, 1894. University of Zürich and Sorbonne, 1894-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1898-1901, 1902-05; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1901-02, and Graduate Scholar, 1906-07; Instructor in Romance Languages, Mt. Holyoke College, 1907-08, and Vassar College, 1908-15.

FAIRBANKS, CHARLOTTE,.....St. Johnsbury, Vt.

Fellow in Chemistry, 1896-97. A.B., Smith College, 1894; Ph.D., Yale University, 1896; M.D., Woman's Medical College of Pennsylvania, 1902. Instructor in Chemistry, Wellesley College, 1897-99; Woman's Medical College of Pennsylvania, 1899-1902; Instructor in Chemistry and Materia Medica, Woman's Medical College of Pennsylvania, 1906-08; Physician, 1905-15.

FAIRCLOUGH, ELIZABETH MARY,.....Died, 1912.

Fellow in Greek, 1893-94. A.B., McGill University, 1893. Private Tutor, 1898-1900.

FARNHAM, LOIS ANNA, 22 Old Lancaster Road, Bryn Mawr, Pa.

Fellow in Economics and Politics, 1901-02. A.B., Bryn Mawr College, 1900, group, History and Political Science, and A.M., 1901. Graduate Scholar in History, Political Science, and Law, Bryn Mawr College, 1900-01, and Graduate Student, 1913-14.

Married, 1903, *Professor David Wilbur Horn*. Three daughters.

FOGG, EMILY, "Longlands," Holicong, Pa.

Fellow in History, 1897-98. Wellesley College, 1889-91; A.B., University of Chicago, 1897. Graduate Scholar and Fellow by Courtesy in History, 1898-99; Fellow in Sociology, University of Pennsylvania, 1899-1900; Student, University of Pennsylvania, and Teacher of Economic Geography in Mrs. Head's School, Germantown, Philadelphia, and of History in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01.

Married, 1900, *Professor Edward Sherwood Mead*. One son, four daughters (one † 1907).

FOSTER, ELIZABETH ANDROS, Glendale Road, Sharon, Mass.

Fellow in Latin, 1910-11. A.B., Bryn Mawr College, 1908, group, Latin and Italian and Spanish, and A.M., 1909. Graduate Scholar in Latin, Bryn Mawr College, 1908-09, and Reader in Latin and Graduate Student, 1909-10; Student, Sorbonne and Collège de France, 1913-14; Assistant in French and Instructor in Spanish, Wells College, 1911-15.

FOSTER, FRANCES ALLEN, See page 25.

Fellow in English, 1911-12.

FOWLER, EUGENIA, Upper Lehigh, Pa.

Fellow in Physics, 1902-03. A.B., Bryn Mawr College, 1901, and A.M., 1902. Mistress of Llanberis, and Graduate Student, Bryn Mawr College, 1901-02; Secretary and Manager of Athletics, St. Timothy's School, Catonsville, Md., 1903-07; Manager of Low Buildings, Bryn Mawr College, 1908-09.

Married, 1909, *Mr. M. K. Neale*. One son († 1912).

FRANCE, WILMER CAVE, Low Buildings, Bryn Mawr, Pa.

Fellow in Greek, 1892-93. Girton College, University of Cambridge, England, 1888-92, Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96; Reader in Classical Literature, Bryn Mawr College, 1897-99; Associate in Classical Literature, 1899-1901, Associate in Greek, 1901-03, 1905-06, Lecturer in Greek Literature, 1906-07, and Associate Professor of Greek, 1907-15.

Married, 1906, *Mr. J. Edmund Wright* († 1910).

FRANKLIN, SUSAN BRALEY, 33 Central Park West, New York City.

Fellow in Greek, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin, and Ph.D., 1895, subjects, Greek, Latin, and Sanskrit. Fellow by Courtesy in Greek, 1890-93; Graduate Student, Bryn Mawr College, 1890-93, and second semester, 1902-03; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1892-93; Instructor in Latin, Vassar College, 1893-97; American School of Classical Studies, Athens, and University of Berlin, 1898-99; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1897-98, and 1899-1904; Head of the Classical Department, Ethical Culture School, New York City, 1904-11, 1912-15.

FREHAFFER, MABEL KATHERINE, . . . 211 West Gilman Street, Madison, Wis.

Fellow in Physics, 1909-10. A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909. Graduate Student, University of Wisconsin, 1908-09; Demonstrator in Physics and Graduate Student, Bryn Mawr College, 1910-14; Assistant in Physics and Graduate Student, University of Wisconsin, 1914-15.

GAGE, KITTY AUGUSTA, New Paltz, N. Y.

Fellow in Greek, 1885-86. A.B., Boston University, 1878; A.M., Cornell University, 1885. Teacher of Latin and French in the State Normal School, New Paltz, 1893-1913; Professor Emeritus, 1913-14.

GATES, FANNY COOK, 1328 East 53rd Street, Chicago, Ill.

Fellow in Mathematics, 1896-97. B.S., Northwestern University, 1894, and M.S., 1895; Ph.D., University of Pennsylvania, 1909. Fellow in Mathematics, Northwestern University, 1894-95; Graduate Scholar in Mathematics, Bryn Mawr College, 1895-96; Holder of European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics and Physics, University of Göttingen, 1897-98; Graduate Student, University of Chicago, Summer Term, 1899; Instructor in Physics, Woman's College of Baltimore, 1898-1901, Associate Professor of Physics, 1901-06, and Professor of Physics, 1906-11; Research Student, McGill University, 1902-03; Research Student, Cavendish Laboratory, Cambridge, England, April to August, 1905 and 1906; Research Worker, School of Education, University of Chicago, 1911-13.

GENTRY, RUTH, Stilesville, Ind.

Fellow in Mathematics, 1890-91, 1892-93. Ph.B., University of Michigan, 1890; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics and Physics. Fellow by Courtesy in Mathematics, Bryn Mawr College, 1893-94; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics, University of Berlin, 1891-92; Student at the Sorbonne, 1892-93; Instructor in Mathematics, Vassar College, 1894-1900, and Associate Professor of Mathematics, 1900-02; Associate Principal of Private School, Pittsburgh, Pa., and Head of Department of Mathematics, 1902-05; Volunteer nurse (unpaid), 1910-11; Travelling, 1912-14.

GIBBONS, VERNETTE LOIS, See page 18.

Fellow in Chemistry, 1911-12.

GILROY, HELEN TURNBULL, 2314 Green Street, Philadelphia.

Fellow in Physics, 1911-12. A.B., Bryn Mawr College, 1909, group, Mathematics and Physics, and A.M., 1912. Graduate Student and Student Assistant in the Physical Laboratory, Bryn Mawr College, 1910-11; Instructor in Physics, Mt. Holyoke College, 1912-14; Demonstrator in Physics and Graduate Student, Bryn Mawr College, 1914-15.

GOODMAN, BYNE FRANCES, 1918 Hill Avenue, Champaign, Ill.

Fellow in Economics, 1913-14. A.B., University of Illinois, 1912, and A.M., 1913.

GOODRICH, GRACE GERTRUDE, Ripon, Wis.

Fellow in Latin, 1911-12. A.B., Ripon College, 1906, and A.M., 1907; A.M., University of Wisconsin, 1911, and Ph.D., 1913. Student, American School of Classical Studies in Rome, 1909-10; University of Wisconsin, 1910-11; Assistant in Latin, University of Wisconsin, 1912-13; Instructor in Latin and Greek, Ripon College, 1913-14.

GORDON, WILHELMINA,

Principal's House, Queen's University, Kingston, Ontario, Canada.

Fellow in Latin, 1906-07. M.A., Queen's University, 1905. Graduate Scholar in English, Bryn Mawr College, 1905-06; Somerville College, Oxford, England, 1908-09; Oxford Final Honour School in England, 1909. Fellow and Reader in English, 1910-12, and Instructor in English, 1912-14.

GRAHAM, ELLEN MAUD, 131 Scott Street, Quebec, Canada.

Fellow in History, 1896-97. A.B., University of Toronto, 1896. Canadian Government Teacher in South Africa, 1902-04; Teacher of Modern Languages, Harrison, Ont., 1905-06; Principal of the Girls' High School, Quebec, P. Q., 1906-09.

Married, 1908, *Mr. Frederick Gourlay Millar*.

GRAHAM, MINNIE ALMIRA, 34 Park Place, Lockport, N. Y.

Fellow in Chemistry, 1906-07, 1910-11. A.B., Mount Holyoke College, 1900; A.M., University of Michigan, 1906; Ph.D., Bryn Mawr College, 1912, subjects, Physical Chemistry, Organic Chemistry and Physics. Teacher of Mathematics and Science in the High School, Hancock, N. Y., 1900-01; and Instructor in Chemistry, Mount Holyoke College, 1902-05; Student in Physics, Massachusetts Institute of Technology, First Semester, and Teacher of Science in the High School, Braintree, Mass., 1901-02; Graduate Student, University of Michigan, and Holder of the '86 Fellowship of Mount Holyoke College, 1905-06; Professor of Chemistry, Lake Erie College, 1907-10; 1912-13, and on leave of absence, 1910-12; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, 1911-12; Acting Professor of Chemistry, Wells College, 1913-15.

GRIFFIN, HATTIE JOSEPHINE, Marshfield, Ore.

Fellow in Latin, 1899-1900. A.B., University of Wisconsin, 1898, and A.M., 1902. Alumni Fellow in Latin, University of Wisconsin, 1898-99; Fellow in Latin, University of Wisconsin, 1901-02; Assistant in the High School, Crystal Falls, Michigan, 1902-03; Professor of Ancient and Modern Languages, Nebraska Central College, 1903-07; Principal of the High School, North Bend, Ore., 1907-09; Teacher of Latin and German in the Kinney High School, North Bend, 1909-13; Government Clerk, Post Office, Marshfield, 1914-15.

GWINN, MARY, 33 Mount Vernon Place East, Baltimore, Md.

Fellow in English, 1885-87. University of Leipsic, 1879-82; University of Zürich, 1882; Sorbonne and Collège de France, 1883. Ph.D., Bryn Mawr College, 1888. Graduate Student, Bryn Mawr College, 1887-88, and Associate in English, 1888-93; Associate Professor of English, Bryn Mawr College, 1893-97, and Professor of English, 1897-1904.

Married, 1904, *Mr. Alfred Hodder* († 1907).

HAHN, DOROTHY ANNA, Box 344, South Hadley, Mass.

Fellow in Chemistry, 1907-08. A.B., Bryn Mawr College, 1899, group, Chemistry and Biology. Professor of Chemistry and Biology, Pennsylvania College for Women, Pittsburgh, Pa., 1899-1906; Professor of Biology, Kindergarten College, Pittsburgh, 1904-06; Student, University of Leipsic, 1906-07; Instructor in Chemistry, Mount Holyoke College, 1908-14, and Associate Professor, 1914-15.

HAINES, JANE BOWNE, Cheltenham, Pa.

Fellow in History, 1892-93. A.B., Bryn Mawr College, 1891, group, History and Political Science, and A.M., 1892. Graduate Student, Bryn Mawr College, 1891-92, 1893-94, and Associate Librarian, 1895-98; Student, New York State Library School, Albany, N. Y., 1898-99; Assistant in the Cataloguing Division, Library of Congress, Washington, D. C., 1900-03; Private Indexer and Bibliographer, 1903-15.

HAMILTON, EDITH, See page 25.

Fellow in Latin, 1894-95.

HANINGTON, FLORENCE, Prospect Road, Rockcliffe, Ottawa, Canada.

Fellow in Mathematics, 1905-06. A.B., Trinity University, 1904. Graduate Scholar in Mathematics, Bryn Mawr College, 1904-05; Secretary of Bryn Mawr College, 1906-07.

Married, 1907, *Mr. Charles Reginald Carter*. One daughter.

HANNA, MARY ALICE, See page 21.

Fellow in History, 1912-13.

HARDCASTLE, FRANCES, 3 Osborne Terrace, Newcastle on Tyne, England.

Fellow in Mathematics, 1894-95. M.A., Trinity College, Dublin, 1907. Girton College, University of Cambridge, England, 1888-92; Mathematical Tripos, Part I, 1891; Part II, 1892. Graduate Student in Mathematics, Bryn Mawr College, 1892-93; Honorary Fellow in Mathematics, University of Chicago, 1893-94; Graduate Student in Mathematics, Girton College, 1895-96; Pfeiffer Student of Girton College, 1902-03; Hon. Secretary, National Union of Women's Suffrage Societies, London, 1906-09.

HARMON, ESTHER, See page 26.

Fellow in German, 1908-09.

HARPER, CARRIE ANNA, Sunderland, Mass.

Fellow in English, 1898-99. A.B., Radcliffe College, 1896, and A.M., 1898; Ph.D., Bryn Mawr College, 1910, subjects, English Language, English Literature and Spanish. Graduate Scholar in English, Bryn Mawr College, 1896-97; Graduate Student in English, Radcliffe College, 1897-98, 1906-07; Teacher of English in the Gilman School, Cambridge, Mass., 1899-1907; Instructor in English Literature, Mt. Holyoke College, 1907-11, and Associate Professor, 1911-15.

HARRIS, ELIZABETH, Clayton, Mo.

Fellow in Greek, 1890-91. A.B., Bryn Mawr College, 1890, group, Greek and Latin, and A.M., 1891. Teacher of Greek and Latin in the Collegiate Grammar School, New York City, 1891-92; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1892-96.

Married, 1896, *Professor Edward Harrison Keiser*. Five sons, one daughter.

HARRISON, ELIZABETH,

Mickleton, Queen's Drive, Mossly Hill, Liverpool, England.

Fellow in Greek, 1906-07. Liverpool University College, 1897-98; Newnham College, University of Cambridge, England, 1898-1902; Classical Tripos, Part I, 1901; Part II, 1902; Classical Mistress, Roedean School, Brighton, England, 1902-06; Temporary Assistant Lecturer in Latin, University of Liverpool, and Private Tutor, 1908-11.

Married, 1911, *Mr. Percy Fallowfield Kipling*. One son.

HARRISON, JANE ANNETTA, See page 26.

Fellow in German, 1909-10.

HARRISON, JULIA PEACHY, 1214 Floyd Avenue, Richmond, Va.

Fellow in Chemistry, 1913-14. A.B., Richmond College, 1906, and A.M., 1908, B.S., 1909; Ph.D., Johns Hopkins University, 1912. Graduate Student, Johns Hopkins University, 1909-12; Teacher in the High School, Richmond, 1907-08; Carnegie Research Assistant, Johns Hopkins University, 1912-13; Reader and Demonstrator in Chemistry, Bryn Mawr College, 1914-15.

HASEMAN, MARY GERTRUDE, Linton, Ind.

Fellow in Mathematics, 1913-15. A.B., University of Indiana, 1910. Professor of Mathematics in Vincennes University, 1910-11; Graduate Scholar in Mathematics, Bryn Mawr College, 1911-12, and Graduate Student, 1913-14.

HATCH, LAURA, 1210 Astor Street, Chicago, Ill.

Fellow in Geology, 1912-13. A.B., Vassar College, 1906; M.S., University of Chicago, 1911. Teacher in the University School for Girls, Chicago, 1906-07; in the High School, Aurora, Ill., 1907-10; Assistant in the Laboratory, University of Chicago, 1910-11; Instructor in Geology, Wellesley College, 1911-12; Fellow in Geology, University of Chicago, 1913-14; Assistant in the Geological Department, Barnard College and Graduate Student in Geology, Columbia University, 1914-15.

HAZEN, ANNAH PUTNAM, 68 Washington Square, New York City.

Fellow in Biology, 1898-99. L.B., Smith College, 1895; S.M., Dartmouth College, 1897. Graduate Student in Biology, Dartmouth College, 1895-96; Graduate Scholar in Biology, Bryn Mawr College, 1897-98; Teacher of Biology in the State Normal School, Plymouth, N. H., 1899-1900; Assistant in Zoology, Smith College, 1900-03; Teacher of Biology in the Wadleigh High School, New York City, 1903-09; First Assistant in Biology in the Eastern District High School, Brooklyn, New York City, 1909-15.

HAZLEWOOD, CHARLOTTE WILLIAMS, 161 Allen Avenue, Lynn, Mass.

Fellow in Greek, 1898-99. A.B., Wellesley College, 1891. Teacher of Greek and Latin in the Classical High School, Lynn, 1891-96; Graduate Student, Yale University, 1896-97, and Graduate Scholar, 1897-98; Substitute Head of Greek and Latin Department, Pennsylvania College for Women, Pittsburgh, Pa., Second Semester 1910; Literary and Artistic Work, Book Designing, 1910-12.

HENRY, MARGARET EDITH, 1108 East 62nd Street, Chicago, Ill.

Fellow in Philosophy, 1900-01. A.B., University of Nebraska, 1898, and A.M., 1900; A.M., Radcliffe College, 1902; Ph.D., Columbia University, 1906. Graduate Scholar in Philosophy, University of Nebraska, 1898-99, and Fellow, 1899-1900; Graduate Student, Radcliffe College, 1901-02; Graduate Student, Columbia University, 1904-06. Married, 1904, *Dr. Alvin Saunders Johnson*.

HICKS, AMY MAUD, 33 Downside Crescent, Hampstead, London, England.

Fellow in Greek, 1904-05. A.B., University of London, 1900, and A.M., 1901. Student, Girton College, University of Cambridge, England, 1895-99, Classical Tripos, Part I, 1898, Part II, 1899; Student, University College, London, 1900-02; Teacher of Classics in St. Mary's College, Paddington, London, 1906-09.

HIGHET, MARY ELIZABETH, Cobourg, Ontario, Canada.

Fellow in German and Teutonic Philology, 1896-97. A.B., Victoria University, 1891, and A.M., 1892; Ph.M., Cornell University, 1894, and Ph.D., 1895. Teacher of Modern Languages, Bowmanville High School, 1892-93; Professor of Modern Languages and History, State Normal School, New Paltz, N. Y., 1897-1900; University of Berlin, 1901-02; Professor of German, Elmira College, 1902-12.

HILL, SARAH D., Irvington, Ind.

Fellow in Teutonic Philology, 1904-05. A.B., Earlham College, 1901. Graduate Scholar, Bryn Mawr College, 1903-04; Assistant in German and French, Earlham College, 1905-08.

Married, 1908, *Professor Milton D. Baumgartner*. One son, one daughter.

HOOPER, EDITH SOPHIA, .. Heathersby, Chislehurst Road, Kent, England.

Fellow in English, 1900-01. M.A., University of Edinburgh, 1900, Honours in Philosophy, 1899, in English, 1900.

HOPKINS, MARY DELIA, Clinton, N. Y.

Fellow in English, 1896-97. A.B., Bryn Mawr College, group, English and German, and A.M., 1896. Reader in English, and Graduate Student, Bryn Mawr College, 1897-98, and Reader in English, 1899-1901; Teacher of Latin and English in the Granger Place School, Canandaigua, N. Y., 1902-04; Teacher of English in the Balliol School, Utica, N. Y., 1901-02, and of English, German, and Latin, 1905-08; Teacher of English and Latin in Miss Davidge's School, New York City, and Private Tutor, 1904-05; Teacher of Latin, German, and English in the Veltin School, New York City, 1908-13, and Graduate Student, Columbia University, 1908-12.

HORTON, GOLDIE PRINTIS, Quanah, Tex.

Fellow in Mathematics, 1912-13. A.B., University of Texas, 1908; A.M., Smith College, 1910. Head of Department of Mathematics, Grandview, Texas, 1908-09; Fellow in Mathematics, Smith College, 1909-10; Head of Department of Mathematics in the High School, Amarillo, Tex., 1910-12; Graduate Student and Tutor in Mathematics, University of Texas, 1913-15.

HOWELL, JANET TUCKER, 232 West Lanvale Street, Baltimore, Md.
Helen Schaeffer Huff Research Fellow in Physics, 1913-14. A.B., Bryn Mawr College, 1910; Ph.D., Johns Hopkins University, 1913. Graduate Student in Physics, Johns Hopkins University, 1910-13; Lecturer in Physics, Bryn Mawr College, 1914-15.

HOWELL, JEAN KIRK, 123 West 7th Street, Plainfield, N. J.
Fellow in Biology, 1891-92. Ph.B., Cornell University, 1888, and S.M., 1890. Assistant in Botany, Barnard College, 1892-96; Teacher of Science in the Phillips High School, Watertown, Mass., 1898-99; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1899-1905, and in the Plainfield Seminary, Plainfield, 1905-14.

HUGHES, WINONA ALICE, Holden Hall, University of Wooster, Wooster, O.
Fellow in Chemistry, 1900-01. Ph.B., University of Wooster, 1891. Graduate Student, Cornell University, Summer School, 1894; Harvard University, Summer School, 1895; University of Chicago, 1897-99; Teacher of Science in the Public Schools, Marion, O., 1892-97, and in the High School, Mansfield, O., 1899-1900; Teacher of Science in the High School, Ottumwa, Ia., 1901-02; Teacher of Chemistry and Zoology in the High School, Mansfield, 1902-06; Instructor in Chemistry, Mt. Holyoke College, 1906-11; Field Secretary, College of Wooster, 1911-12, and Dean of Women and Instructor in the History of Art, 1912-15.

HUTCHINSON, ANABELLE ROXBURGH,
Brookside, Catterick, Yorkshire, England.

Fellow in Romance Languages, 1899-1900. Newnham College, University of Cambridge, England, 1895-99; Mediæval and Modern Languages Tripos, 1898; Sorbonne, 1900-01; Assistant Librarian, University Library, Cambridge, 1902-05; Assistant Lecturer in French, Newnham College, 1904-06; Examiner in French and Italian, Joint Board Matriculation, 1909-12; Examiner in Spanish, Cambridge Local Examinations and Schools for the same Board, 1912-15; French Lecturer, Homerton Training College, 1913-15.

HYDE, IDA H., Lawrence, Kan.

Fellow in Biology, 1892-93. S.B., Cornell University, 1891; Ph.D., University of Heidelberg, 1896. Student Assistant in Biology, Bryn Mawr College, 1891-92; Holder of the European Fellowship of the Association of Collegiate Alumne, and Student in Biology, University of Strassburg, 1893-94; Holder of the Phebe Hunt Fellowship of the Association of Collegiate Alumne, and Student in Biology, University of Heidelberg, 1894-96; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1898-99; Professor of Physiology, and Head of Department of Physiology, University of Kansas, 1899-1915.

HYDE, WINIFRED FLORENCE, 1039 C Street, Lincoln, Neb.

Fellow in Philosophy, 1902-04. A.B., University of Nebraska, 1900, and Ph.D., University of Jena, 1911. Scholar in Philosophy, University of Nebraska, 1900-01; University of Denver, Summer of 1901; Teacher in the High School, Lincoln, Neb., 1901-02; Scholar in Philosophy, Cornell University, 1904-05; Holder of the European Fellowship of the Boston Woman's Educational Association and Student at the University of Jena, 1905-11; Instructor in Philosophy, University of Nebraska, 1911-12, Adjunct Professor, 1912-13, and Assistant Professor, 1913-15.

ISHAM, MARY KEYT, 851 Oak Street, Walnut Hills, Cincinnati, O.

Fellow in Philosophy, 1899-1900. A.B., Wellesley College, 1894; A.M., University of Cincinnati, 1898; M.D., Laura Memorial Medical College, 1903. Graduate Student in Philosophy and Psychology, University of Cincinnati, 1897-98; Graduate Student in Philosophy and Psychology, University of Chicago, 1898-99; Lecturer on Psychology and Student, Laura Memorial Medical College, Cincinnati, 1900-03; Interne and House Physician at the Presbyterian Hospital, Cincinnati, 1903-04; Secretary, Academy of Medicine of Cincinnati, 1907-08; Assistant Physician, Columbus State Hospital, Columbus, O., 1908-15; Physician, 1904-15.

JARVIS, MAY MASON, Newell Place, Avenue A, San Antonio, Tex.

Fellow in Biology, 1909-10. A.B., University of Texas, 1906, and A.M., 1908. Tutor in Zoology, University of Texas, 1907-09, 1910-11.

Married, 1911, *Mr. George S. Newell.*

JONES, LAURA LUCINDA, Box 353, Cobourg, Ontario, Canada.

Fellow in English, 1894-95. A.B., University of Toronto, 1891. Teacher of Modern Languages in the Collegiate Institute, Kingston, Ont., 1895-97; Teacher of English, and Student in German in the Höhere Töchter Schule Tegel, Eberswalde, Berlin, 1897-98; Teacher of English, French, and German in the Collegiate Institute, Cobourg, 1898-1915; Member of the Board of the Public Library, Cobourg, 1904-15.

- KELLOGG, ANGIE LILLIAN**,.....Watertown, N. Y.
Fellow in Philosophy, 1911-13. A.B., Vassar College, 1903, and A.M., 1904. Teacher in the High School, Schenectady, N. Y., 1904-10, and in the High School, Hasbrouck Heights, N. J., March to June, 1911; Graduate Scholar and Fellow by Courtesy in Philosophy, 1913-14.
- KEYS, FLORENCE V.**,.....87 Avenue Road, Toronto, Canada.
Fellow in Greek, 1891-92; Fellow in English, 1892-93. A.B., University of Toronto, 1891. Examiner in English, University of Toronto, 1894-95; Reader in English, Bryn Mawr College, 1893-97, and Graduate Student in English, 1895-96; University of Oxford, England, 1897-98; University of Berlin, 1898-99; Reader in English, College Entrance Examination Board, 1900-02; Student, University of Munich, 1904-05; Instructor in English, Vassar College, 1899-1904, and Associate Professor of English, 1904-14.
- KING, GEORGIANA GODDARD**,.....Garrett Hill P. O., Rosemont, Pa.
Fellow in Philosophy, 1896-97; Fellow in English, 1897-98. A.B., Bryn Mawr College, and George W. Childs Prize Essayist, 1896, group, Political Science and Philosophy, and A.M., 1897. Student at the Collège de France, First Semester, 1898-99; Teacher of English, Philosophy, and History of Art in the Misses Graham's School, New York City, 1899-1906; Reader in English, Bryn Mawr College, 1906-11; Lecturer in the History of Art and Comparative Literature, 1911-14, and Lecturer in the History of Art, 1914-15.
- KING, HELEN DEAN**,.....17 Elliott Avenue, Bryn Mawr, Pa.
Fellow in Biology, 1897-98. A.B., Vassar College, 1892; Ph.D., Bryn Mawr College, 1901, subjects, Morphology, Palæontology, and Physiology. Graduate Student in Biology, Vassar College, and Assistant in the Biological Laboratory, 1894-95; Graduate Scholar in Biology, Bryn Mawr College, 1895-96, and Graduate Student in Biology, 1896-97 and 1901-06, and Fellow by Courtesy in Biology, 1898-1901; Teacher of Science in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1899-1907; University Fellow for Research in Zoology, University of Pennsylvania, 1906-08; Investigator, Wistar Institute of Anatomy and Biology, Philadelphia, 1908-09, Assistant in Anatomy, 1909-10, Associate in Anatomy, 1910-13, and Assistant Professor of Embryology, 1913-15.
- KING, HELEN MAXWELL**,.....See page 26.
Fellow in Romance Languages, 1909-10.
- KING, LIDA SHAW**,.....Cushing Street, Providence, R. I.
Fellow in Greek, 1899-1900. A.B., Vassar College, 1890; A.M., Brown University, 1894; D.Lit., Mt. Holyoke College, 1912; LL.D., Western Reserve University, 1913. Fellow in Greek, Vassar College, 1894-95; Instructor in Greek and Latin, Vassar College, 1895-97; Graduate Student in Greek and Greek History, Harvard University, 1897-98; Instructor in Latin, Packer Collegiate Institute, Brooklyn, New York City, 1898-99; Student, American School of Classical Studies, Athens, 1899-1901; Holder of the Agnes Hoppin Memorial Fellowship, 1900-01; Director of Classical Department, Packer Collegiate Institute, 1901-02; Dean of the Women's College, and Assistant Professor of Classical Philology in Brown University, 1905-09; Dean of the Women's College and Professor of Classical Literature and Archæology, 1910-15.
- KING, MARIE SEWARD**,.....920 High Street, Grinnell, Ia.
Fellow in German, 1910-11. A.B., Olivet College, 1907, and A.M., 1908. Professor of German and French, Des Moines College, 1908-09; Graduate Student, Bryn Mawr College, 1909-10, and Substitute Reader in French, March to June, 1910; Instructor in French, Grinnell College, 1911-12, and in German, 1912-15.
- LAIRD, ELIZABETH REBECCA**,.....See page 26.
Fellow in Physics, 1897-98.
- LAMBERTON, HELEN**,.....753 Corinthian Avenue, Philadelphia.
Fellow in Physics, 1908-09. A.B., Bryn Mawr College, 1907, group, Mathematics and Physics, and A.M., 1908. Graduate Scholar in Physics, Bryn Mawr College, 1907-08; Graduate Student, University of Pennsylvania, and Teacher of Physics in the Girls' High School, Philadelphia, 1909-10; Teacher of Mathematics in the Germantown High School for Girls, Philadelphia, 1910-15.
- LANGENBECK, CLARA**,.....See page 26.
Fellow in Biology, 1895-96.
- LANSING, RUTH**,.....53 Crawford Street, Roxbury, Mass.
Fellow in Romance Languages, 1911-12. A.B., Radcliffe College, 1908, and A.M., 1909, and Ph.D., 1914. Instructor in Wells College, September to November, 1909. Graduate Student, Radcliffe College, 1908-09, 1912-14.

LEFTWICH, FLORENCE, See page 26.
Fellow in Romance Languages, 1902-03.

LEWIS, FLORENCE PARTHENIA, See page 27.
Fellow in Philosophy, 1898-99.

Longbottom, Gertrude, The Hollies, Louth, Lincolnshire, England.
Fellow in Mathematics, 1897-98. Girton College, University of Cambridge, England, 1893-97; Mathematical Tripos, Part I, 1896; Part II, 1897. M.A., Trinity College, Dublin, 1905. Teacher of Latin in the Municipal Technical School, Louth, 1899-1900. and Teacher of Mathematics, 1900-06; Governor of King Edward VI Girls' Grammar School, Louth, 1903-14; Manager of the Louth British (Elementary) School, 1904-14; Private Tutor, 1909-10.

LORD, ELEANOR LOUISA, 2426 Guilford Avenue, Baltimore, Md.
Fellow in History, 1889-90, 1895-96. A.B., Smith College, 1887, and A.M., 1890; Ph.D., Bryn Mawr College, 1898, subjects, History and Political Science. Instructor in History, Smith College, 1890-94; Holder of the European Fellowship of the Women's Educational Association of Boston, and Student in History, Newnham College, University of Cambridge, England, 1894-95; Instructor in History, Goucher College, 1897-1901; Associate Professor, 1901-04, and Professor of History, 1904-11; President of the History Teachers' Association of Maryland, 1908-09; Dean of Goucher College, 1911-15.

LOVELL, HELEN LOUISA, Hardin College, Mexico, Mo.
Fellow in Greek, 1887-88. A.B., University of Michigan, 1887. Graduate Student, University of Michigan, 1888-89; Teacher of Latin and History in the Girls' Classical School, Indianapolis, Ind., 1889-90; Associate in Greek and Latin, Woman's College of Baltimore, 1890-91; and Associate Professor, 1891-93; Acting Professor of Greek and Latin, Earlham College, 1893-94; Graduate Student, University of Chicago, 1894-95, and Fellow in Greek, 1895-96; Professor of Greek, Hardin College, Mexico, 1896-1900, Professor of Greek and Philosophy, 1900-05, and Professor of Latin and Greek, 1905-15.

Married, 1896, *Mr. John Wilson Million*. Two daughters, two sons.

LOWATER, FRANCES, Rockford College, Rockford, Ill.
Fellow in Physics, 1896-97. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906, subjects, Physics, Mathematics and Applied Mathematics. University College, Nottingham, England, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Demonstrator in Physics, Bryn Mawr College, 1893-96, 1897-98, 1899-1905, and 1907-10; Graduate Scholar in Physics, 1897-98, and Graduate Student in Physics and Mathematics, 1894-96, 1899-1900; Secretary of Bryn Mawr College, 1898-99; Acting Associate Professor of Physics, the Western College, Oxford, O., 1910-11; Professor of Physics, Rockford College, 1911-15; Volunteer Research Assistant, Yerkes Observatory, Summer Quarters, 1911-13.

LUNDIE, ELIZABETH HELEN, 36 Fort Street, Montreal, Canada.
Fellow in Physics, 1905-06. A.B., McGill University, 1903, and M.Sc., 1904. Assistant in Chemistry in the High School, Montreal, 1908-14.

MACDONALD, MARGARET BAXTER, State College, Pa.
Fellow in Chemistry, 1898-99. Pennsylvania State College, 1893-95; B.S., Mt. Holyoke College, 1898; Ph.D., Bryn Mawr College, 1902, subjects, Chemistry and Physiology. Student Assistant in Chemical Laboratory, Mt. Holyoke College, 1895-97; Graduate Scholar in Chemistry and Physiology, Bryn Mawr College, 1897-98, and Pepper Fellow in Chemistry, University of Pennsylvania, 1899-1900; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Teacher of Chemistry and Physics, Asheville College, Asheville, N. C., 1901-02; Professor of Chemistry, New Jersey State Normal School, 1902-04; Instructor in Chemistry, Vassar College, 1905-06; Assistant Chemist, Delaware College Experimental Station, 1906-07; Instructor in Chemistry, Pennsylvania State College, 1907-10. Assistant Professor of Agricultural Chemistry, 1910-13, and Associate Professor, 1913-15.

MACLEOD, ANNIE LOUISE, Earltown, Nova Scotia.
Fellow in Chemistry, 1909-10; Research Fellow in Chemistry, 1910-12. A.B., McGill University, 1904, M.Sc., 1905, and Ph.D., 1910. Demonstrator in Chemistry, McGill University, 1905-08; Assistant in Chemistry, Barnard College, 1908-09; Reader in Physiological Chemistry and Demonstrator in Chemistry, Bryn Mawr College, 1912-14; Instructor in Chemistry, Vassar College, 1914-15.

MADDISON, ISABEL, See page 27.
Fellow in Mathematics, 1893-94.

MANN, CARRIE ALICE, Died, 1905.

Fellow in Mathematics, 1903-04. A.B., Wellesley College, 1893. Graduate Student, Bryn Mawr College, and Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1901-03; Teacher of Mathematics in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1904-05.

MARCUSE, BELLA,

370 Oxford Avenue, Notre Dame de Grace, Montreal, Canada.

Fellow in Chemistry, 1904-05. A.B., McGill University, 1900, and M.Sc., 1903. Student, University of Breslau, 1900-01; Assistant, McGill Model School, Montreal, Canada, January to June, 1904; Student in French, McGill University, 1905-07, and Private Tutor, 1905-08; Recording Secretary of the National Council of Women of Canada, 1908-11.

Married, 1908, *Mr. Douglas McIntosh*. One daughter.

MARTIN, EMILIE NORTON, See page 27.

Fellow in Mathematics, 1895-96.

MASON, GERTRUDE HELEN, 2627 Channing Way, Berkeley, Cal.

Fellow in English, 1887-88. Ph.B., University of Michigan, 1876, and Ph.M., 1888. Graduate Student in English, University of Michigan, 1888-89; Teacher of English in the High School, Petaluma, Cal., 1889-95, in the High School, San Diego, Cal., 1895-96; Graduate Student in English, Leland Stanford, Jr., University, 1896-97, and 1900-01; Assistant to Dr. Ewald Flügel on Chaucer Lexicon, 1904-05; Teacher of English in the Kern County High School, Bakersfield, Cal., 1897-98, and in the Union High School, Haywards, Cal., 1899-1900; Tutor in English, 1900-02, 1905-13.

MATHEWS, IRENE MAUD, .. Holly House, Duke Street, Sheffield, England.

Fellow in Physics, 1910-11. Girton College, University of Cambridge, England, 1906-10; First Class Honours, Cambridge Mathematical Tripos, Part I, 1909, and Part II, 1910. Assistant Mistress, the High School for Girls, Manchester, England, 1911-13; Senior Mathematical and Physics Mistress, City and County School, Chester, England, 1913-15.

MCCAIN, GERTRUDE IONA, Delphi, Ind.

Fellow in Mathematics, 1911-12. A.B., Indiana State University, 1908, and A.M., 1911. Teacher in the High School, Delphi, 1897-99; Principal of the Friends' High School, Salem, Ind., 1908-09; Teaching Fellow in Mathematics, Indiana State University, 1910-11; Instructor in Mathematics and English in the High School, Delphi, 1913; Graduate Student, Indiana University, 1914, and Fellow in Mathematics, 1914-15.

McNAIR, GRACE ELIZABETH, Brodhead, Wis.

Fellow in History, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1899. Assistant in History in the High School, Madison, Wis., 1899-1900; Assistant in Latin, German, and History in the High School, Brodhead, 1902-04.

MEDES, GRACE, 430 Prospect Boulevard, Kansas City, Mo.

Fellow in Biology, 1913-15. A.B., Kansas State University, 1904, and A.M., 1913.

MERRILL, KATHARINE, Boston Normal School, Boston, Mass.

Fellow in English, 1890-91. A.B., University of Kansas, 1889. Graduate Student in English, Bryn Mawr College, 1889-90; Harvard Annex, 1891-92; Assistant Professor of English Language and Literature, University of Illinois, 1892-97; Fellow in English, University of Chicago, 1897-98; Teacher of English, Austin High School, Chicago, Ill., 1898-1903; Teacher of the History of Literature in the Leland Powers School of the Spoken Word, Boston, 1905-08; Teacher in the Department of Expression and Reading, Boston Normal School, 1908-11.

MILES, CAROLINE, Bloomingdale, Ind.

Fellow in History, 1891-92. A.B., Earlham College, 1887; A.M., University of Michigan, 1890, and Ph.D., 1892. Teacher of Latin in the Friends' Academy, Bloomingdale, Ind., 1888-89; University of Michigan, 1889-91; Instructor in Philosophy and Political Economy, Mt. Holyoke College, 1892-93; Tutor in History, Wellesley College, 1893-94, and Instructor in Psychology, 1894-95; University Extension Work, Chicago, 1897-1900; Assistant Reference Librarian, John Crerar Library, Chicago, 1900-04; Principal of Friends' Academy, Bloomingdale, 1911-12.

Married, 1895, *Mr. William Hill*.

MILLMAN, MABEL HELEN,

735 Bloor Street West, Toronto, Ontario, Canada.

Fellow in French, 1908-09. A.B., University of Toronto, 1907. Graduate Student, University of Toronto, June, 1907, to January, 1908, 1910-12; Teacher of History in

the Westbourne School, Toronto, January to June, 1908, and of Latin in Havergal College, Toronto, April to June, 1908; English Essay Reader, University of Toronto, and Private Tutor, 1911-15.

Married, 1912, *Dr. Clarence Meredith Hincks*.

MORRIS, MARGARET SHOVE, . . . 1904 Mt. Royal Avenue, Baltimore, Md.

Fellow in History, 1907-08. A.B., Woman's College of Baltimore, 1904, Ph.D., Bryn Mawr College, 1911, subjects, History and English. Holder of Foundation Scholarship, Bryn Mawr College, 1904-06; Alumnae Fellow of the Woman's College of Baltimore and Research Student at the Public Record Office, London, 1906-07; Instructor in History, Mt. Holyoke College, 1908-14, and Associate Professor, 1914-15, on leave of absence, Student in Johns Hopkins University, 1913-14.

MORSE, KATE NILES, See page 27.

Fellow in Greek, 1900-01.

MORTON, CAROLINE MILLARD, . . . 131 Superior Street, Providence, R. I.

Fellow in Classical Archaeology, 1912-13. A.B., Brown University, 1910, and A.M., 1911. Graduate Scholar in Greek, Bryn Mawr College, 1911-12.

MORY, RUTHELLA BERNARD, The Somerset, Baltimore, Md.

Fellow in History, 1899-1900. A.B., Woman's College of Baltimore, 1897; Ph.M., University of Chicago, 1899. Student in English and History, University of Oxford, England, 1897-98; Graduate Student in History and History of Art, University of Chicago, 1898-99; Student, London School of Economics, 1900; Research Work in History in the British Museum and in the Public Record Office, London, 1900-02; Writer on History, 1910-11.

Married, 1903, *Mr. Arthur Barneveld Bibbins*.

NEILSON, NELLIE, Mt. Holyoke College, South Hadley, Mass.

Fellow in History, 1894-95. A.B., Bryn Mawr College, 1893, group, Greek and English, A.M., 1894, and Ph.D., 1899, subjects, History and English. Graduate Student, Bryn Mawr College, 1893-94, 1895-96, 1900-01; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1895-96; Research Work in History in Cambridge, England, and in the Public Record Office, London, 1896-97; Teacher of History in Miss Irwin's School, Philadelphia, 1897-1900; Private Research Work, 1897-1905, 1908-09; Reader in English, Bryn Mawr College, 1900-02; Instructor in History, Mt. Holyoke College, 1902-03; Acting Professor of European History, 1903-04, and Professor of History, 1904-15; in England on leave of absence, 1908-09, Second Semester, 1911-12.

NICHOLS, ELIZABETH, 1918 North Pennsylvania Street, Indianapolis, Ind.

Fellow in Biology, 1893-94. A.B., Bryn Mawr College, 1893, group, Chemistry and Biology. Graduate Student, Bryn Mawr College, 1894-95; Teacher of Science in the Girls' High School, Philadelphia, 1895-96; Secretary of the Indianapolis Branch of the Needlework Guild of America, 1904-13.

Married, 1896, *Mr. Charles W. Moores*. One daughter, one son.

NORTHWAY, MARY ISABEL,

1657 Burnaby Street, Vancouver, B. C., Canada.

Fellow in Physics, 1900-01. A.B., University of Toronto, 1898. Ontario Normal College, 1898-99; Graduate Scholar in Physics, Bryn Mawr College, 1899-1900; Student of Domestic Science, 1901-02; Assistant in Physics Department, Smith College, 1902-03.

Married, 1904, *The Rev. R. J. Wilson*. One daughter.

NOWLIN, NADINE, See page 27.

Fellow in Biology, 1905-06.

O'GRADY, MARCELLA I., Würzburg, Bavaria.

Fellow in Biology, 1887-89. S.B., Massachusetts Institute of Technology, 1885. Teacher of Science in the Bryn Mawr School, Baltimore, Md., 1885-87; Demonstrator in Biology, Bryn Mawr College, 1888-89; Associate Professor of Biology, Vassar College, 1889-93, and Professor of Biology, 1893-96.

Married, 1897, *Professor Theodore Boveri*.

OLSEN, SOPHIE YHLEN, Rektorboligen, Roskilde, Denmark.

Fellow in Teutonic Philology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Greek and Latin, and A.M., 1899. A.M., University of Copenhagen, 1902. Graduate Scholar in English and Teutonic Philology, Bryn Mawr College, 1898-99; Student, Universities of Copenhagen and Leipsic, 1900-01; University of Copenhagen, 1901-02; Teacher of English Literature in the Zahle Institute for Teachers, Copenhagen, 1905-11; and Teacher of English in the State College for Teachers, Copenhagen, 1908-12.

Married, 1902, *Dr. Henrik Bertelsen*. Two daughters, one son.

- PARKER, EMMA HARRIET**,Charlestown, N. H.
Fellow in Chemistry, 1893-94. B.S., Smith College, 1887. Graduate Student in Chemistry, Bryn Mawr College, 1892-93, and Graduate Scholar in Chemistry, 1894-95; Instructor in Chemistry, Wellesley College, 1895-97; Teacher of Science in the High School, New Bedford, Mass., 1897-1900; Teacher of Chemistry in the High School, Newton, Mass., 1900-13; Student of Chemistry, the Sorbonne and University of Berlin, 1909-10; Student in the School for Social Workers, Boston, Mass., 1913-14.
- PARRIS, MARION**,See page 28.
Fellow in Economics and Politics, 1905-06.
- PARSONS, VERA LILLIAN**,70 Rusholme Road, Toronto, Canada.
Fellow in Romance Languages, 1913-14. B.A., University of Toronto, 1911, and M.A., 1912. Graduate Scholar in English, Bryn Mawr College, 1912-13.
- PASCHALL, ANNIE GOODE**,Died, 1895.
Fellow in Greek, 1894-95. A.B., Vanderbilt University, 1894.
- PEEBLES, FLORENCE**,See page 28.
Fellow in Biology, 1896-97.
- PEEBLES, ROSE JEFFRIES**,Vassar College, Poughkeepsie, N. Y.
Fellow in English, 1907-08. A.B., Mississippi State College for Women, 1891. Ph.D., Bryn Mawr College, 1911, subjects, English Philology, English Literature, and Old French. University of Chicago, Summer, 1897, 1898, 1905; Harvard University, Summer, 1902; Columbia University, Summer, 1903; Graduate Student in English, Bryn Mawr College, 1906-07, and Graduate Scholar and Fellow by Courtesy in English, 1908-09; Special Research Scholar and Student, British Museum and Bodleian Library, Oxford, Summer, 1909; Instructor in English, Vassar College, 1909-14, and Assistant Professor, 1914-15.
- PERKINS, ELIZABETH MARY**,See page 28.
Fellow in Latin, 1902-03.
- PERRY, LORINDA**,Melvin, Ill.
Fellow in Economics and Politics, 1911-13. A.B., University of Illinois, 1909, and A.M., 1910. Radcliffe Fellow, Women's Educational and Industrial Union, Boston, Mass., 1910-11.
- PETTY, MARY**,211 South Ashe Street, Greensboro, N. C.
Fellow in Chemistry, 1895-96. S.B., Wellesley College, 1885. Teacher of Latin, Guilford College, 1888-93; Teacher of Chemistry and Physics in the State Normal and Industrial College, Greensboro, 1893-95, and 1896-99, and Head of Department of Chemistry, 1899-1915.
- PINNEY, MARY EDITH**,See page 22.
Fellow in Biology, 1910-11.
- POTTS, LAURETTE EUSTIS**,155 East 22nd Street, New York City.
Fellow in English, 1899-1900. Mistress of Pembroke Hall East, Bryn Mawr College, 1895-96. A.B., Bryn Mawr College, 1896, group, Latin and English. Sorbonne and Collège de France, 1896-97, Graduate Student, Bryn Mawr College, 1897-98, Reader in English, 1897-99; Student, University of Munich, 1900-01.
Married, 1905, *Mr. Lewis Frederic Pease*. One son, one daughter.
- PURDIE, ELEANOR**,Ortler, Prestbury, Gloucestershire, England.
Fellow in Greek, 1895-96. Newnham College, University of Cambridge, England, 1890-94; Classical Tripos, Part I, First Class, 1893; Part II, 1894; Ph.D., University of Freiburg, 1897. Holder of the Marion Kennedy Studentship, and Student in Indo-European Philology, University of Freiburg, 1894-95; Classical Mistress in the Notting Hill High School, London, 1897-98; Head Classical Tutor, Cheltenham Ladies' College, Cheltenham, England, 1898-1913.
- RABOURN, SARA BREWER FRANCIS**,Centralia, Mo.
Fellow in Mathematics, 1906-07. A.B., University of Missouri, 1902, and A.M., 1904. Scholar in Mathematics, University of Missouri, 1903-04; Assistant Principal and Teacher of Mathematics in the High School, Fredericktown, Mo., 1907-08, and Principal 1908-09; Head of the Mathematical Department in the High School, Hannibal, Mo., 1909-11; Student, American School of Classical Studies, Rome, Winter Term, 1911-12, and Newnham College, Cambridge, England, Spring Term, 1912; Instructor in Mathematics, State Normal School, Springfield, Mo., 1913; and in the Polytechnic High School, Santa Ana, Cal., 1913-14; Head of Department of Mathematics in the High School, Visalia, Cal., 1914-15.

RAGSDALE, VIRGINIA,.....See page 28.
Fellow in Mathematics, 1902-03.

RAND, MARIE GERTRUDE,.....See page 11.
Fellow in Philosophy, 1909-10, and Fellow in Psychology, 1910-11.

RANDOLPH, HARRIET,1310 South 47th Street, Philadelphia.
A.B., Bryn Mawr College, 1889; Ph.D., University of Zürich, 1892. Fellow in Biology, Bryn Mawr College, 1889-90; University of Zürich, 1890-92; Graduate Student, Bryn Mawr College, 1896-97, 1912-13, Demonstrator in Biology, 1892-1913, and Reader in Botany, 1893-1913; Travelling, 1913-14.

REED, BERTHA,.....University of Montana, Missoula, Mont.
Fellow in Teutonic Philology, 1906-07. Illinois Woman's College, 1893-96; Ph.B., De Pauw University, 1898, and A.M., 1900; Ph.D., University of Chicago, 1913. University of Berlin, Winter Semester, 1902-03. University of Zürich, 1903, 1903-04; Instructor in German, Bradley Polytechnic Institute, Peoria, Ill., 1907-09.
Married, 1909, *Mr. George Raleigh Coffman*.

REED, MARGARET ADALINE,1931 East 31st Street, Baltimore, Md.
Fellow in Biology, 1908-09. A.B., Woman's College of Baltimore, 1901. Graduate Student in Biology, Bryn Mawr College, 1901-03, and Graduate Scholar, 1902-03. Wood's Holl Laboratory, Summers of 1900 and 1902; Assistant in Zoological Laboratory, Columbia University, 1903-05; University of Zürich, Summer, 1906; Assistant in Zoology, Columbia University, 1903-06; Lecturer in Physiology, New York Medical College for Women, and Barnard College, 1904-07; Instructor in Biology, Barnard College, 1907-08; Student in Berlin Königliches Institut für Infektionskrankheiten, Summer, 1908; Research Work in Johns Hopkins University Medical Department, 1910-11, 1913-14; Instructor in Anatomy and Physiology, Johns Hopkins Training School for Nurses, 1911-12.

Married, 1910, *Dr. Warren H. Lewis*. One daughter, one son.

REIMER, MARIE,.....See page 28.
Fellow in Chemistry, 1899-1900, 1901-02.

REYNOLDS, GRACE POTTER,Fairfield Avenue, Stamford, Conn.
Fellow in Chemistry, 1908-09. A.B., Smith College, 1904; A.M., Columbia University, 1905; Ph.D., Bryn Mawr College, 1910, subjects, Organic Chemistry, Physical and Inorganic Chemistry and Physics. Graduate Student, Columbia University, 1904-05; Assistant in Chemistry, Smith College, 1905-06; Assistant in Chemistry, Barnard College, 1906-08; Graduate Student, Bryn Mawr College, 1909-10; Research Worker in Chemistry, Barnard College, 1910-12.

Married, 1913, *Mr. Winthrop Merton Rice*. One daughter († 1914).

REYNOLDS, MINNIE BEATRICE,
307 N. Mountain Avenue, Upper Montclair, N. J.

Fellow in Greek, 1897-98. A.B., University of California, 1895, and A.M., 1897. Instructor in Greek and Latin in the High School, Centerville, Cal., 1896-97; Fellow by Courtesy in Greek, Bryn Mawr College, 1898-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1898-99; Instructor in Latin, Vassar College, 1899-1900; Instructor in Greek in the High School, Los Angeles, Cal., 1900-01; Teacher of Greek and Latin in the High School, San Francisco, 1901-03.

Married, 1903, *Mr. James A. Kinkad*. Four sons.

RITCHIE, MARY HELEN,.....Died, 1905.
Fellow in Latin, 1898-99. A.B., Bryn Mawr College, 1896, group, Greek and Latin. A.M., 1897, and Ph.D., 1902, subjects, Latin and Greek. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1896-97, Graduate Student, 1897-98; Secretary of Bryn Mawr College, 1899-1904.

ROCK, AMY CORDOVA,1455 Belmont Street, Washington, D. C.
Fellow in Chemistry, 1894-95. A.B., Bryn Mawr College, 1893, group, Physics and Chemistry. Assistant in Chemical Laboratory and Graduate Student, Bryn Mawr College, 1893-94; Student, University of Heidelberg, 1895-96; and University of Berlin, 1896-97; President, Washington Branch of the Association of Collegiate Alumnae, 1909-10.

Married, 1899, *Mr. Frederick Leslie Ransome*. One son, three daughters.

ROE, ADAH BLANCHE,.....See page 29.
Fellow in German, 1912-13.

- SALISBURY, LENA BELLE**,.....R. R. 5, Oswego, N. Y.
Fellow in Latin, 1913-14. A.B., Syracuse University, 1910, and A.M., 1913. Teacher, Chittenango, N. Y., 1910-11; Weedsport, N. Y., 1911-12; Goodyear-Burlingame School, Syracuse, N. Y., 1912-13; Teacher of Latin and Greek in Drew Seminary for Young Women, Mt. Carmel, N. Y., 1914-15.
- SALMON, LUCY MAYNARD**,.....Poughkeepsie, N. Y.
Fellow in History, 1886-87. A.B., University of Michigan, 1876, and A.M., 1883. Teacher of History in the Indiana State Normal School, 1883-86; Associate Professor of History; Vassar College, 1887-89, and Professor of History, 1889-1915.
- SANDISON, HELEN ESTABROOK**,.....See page 29.
Fellow in English, 1908-09.
- SATTERTHWAITE, SARAH E.**,.....2037 Franklin Avenue, Toledo, O.
Fellow in Greek, 1886-87. A.B., University of Michigan, 1886. Assistant in Greek and Latin, Hope College, Holland, Mich., 1887-88; Private Tutor in Greek and Latin, 1898-1900.
Married, 1890, *Dr. Francis Alexander Leslie*. One son.
- SCHAEFFER, HELEN ELIZABETH**,.....See page 29.
Fellow in Physics, 1904-05.
- SCHENCK, EUNICE MORGAN**,.....See page 29.
Fellow in Romance Languages, 1912-13.
- DE SCHWEINITZ, AGNES JULIA**,
11 Cummings Apartments, First and D Streets, Salt Lake City, Utah.
Fellow in Teutonic Philology, 1902-03. A.B., Bryn Mawr College, 1899, group, German and French, and A.M., 1900. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1899-1900; Teacher of German in the Portland School, Portland, Ore., 1900-01; University of Leipsic, 1901-02; Teacher of German in the Bryn Mawr School, Baltimore, Md., 1903-08.
Married, 1908, *Mr. Edward Robins Zalinski*.
- SEWALL, HANNAH ROBIE**,.....Forest Glen, Md.
Fellow in History, 1888-89. A.B., University of Minnesota, 1884, and Ph.D., 1898; A.M., University of Michigan, 1887. Fellow by Courtesy in History, Bryn Mawr College, 1889-90; Assistant in Political Science, University of Minnesota, 1893-1901; Assistant, Boston Children's Aid Society, 1904-07.
- SHAPIRO, REBECCA**,.....Marshfield, Wis.
Fellow in Romance Languages, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1900. Graduate Student, University of Wisconsin, 1899-1900; Assistant Principal of the High School, Grand Rapids, Wis., 1902-03.
Married, 1904, *Mr. Richard Strauss*.
- SHEARER, EDNA ASTON**,.....See page 29.
Junior Fellow in Philosophy, 1904-05; Fellow in Philosophy, 1906-07.
- SHEAVYN, PHOEBE A.B.**,
Ashburne Hall, Fallowfield, Manchester, England.
Fellow in English, 1895-96. Scholar, University College of Wales, Aberystwyth, Wales, 1887-89, and 1892-94; B.A., University of London, 1889; M.A., 1894, and D.Litt., 1903. Member of Governing Court of University of Wales; Member of Senate of University of Manchester; Reader in English, Bryn Mawr College, 1894-95; Lecturer and Tutor in English Literature to the Association for Promoting the Education of Women in Oxford, England, 1896-1905; Resident Tutor and Lecturer in English, Somerville College, University of Oxford, England, 1897-1905; Member of Governing Committee of Women's University Settlement, Southwark, London, 1900-07; Senior Tutor for Women Students, University of Manchester, Warden of Women's Hall of Residence and Lecturer in English Literature, 1907-14.
- SHOEMAKER, JANE CUSHING**,.....Died, 1910.
Fellow in Economics and Politics, 1909-10. A.B., Bryn Mawr College, 1905, group, History and Economics and Politics, and A.M., 1910. Graduate Student, Bryn Mawr College, 1907-08.

SHUTE, HELEN WINIFRED, 331 Hammond Street, Bangor, Me.
Fellow in Teutonic Philology, 1893-94. A.B., Smith College, 1887. Assistant in German, Smith College, 1887-93; Fellow by Courtesy in Teutonic Philology, Bryn Mawr College, 1894-95; Student in Teutonic Philology, University of Göttingen, 1895-99; Alumnae Trustee of Smith College, 1902-05.

Married, 1900, *Professor Warren J. Moulton*.

SINCLAIR, ALICE, Wailuku, Maui, H. I.
Fellow in Teutonic Philology, 1903-04. Ph.B., Oberlin College, 1889. Teacher of German and Science in the Kent Place School, Summit, N. J., 1900-02; Student, University of Marburg, 1902-03; Teacher of German and English, Brockport State Normal School, Brockport, N. Y., 1904-05, and of French and German, 1905-06.

Married, 1906, *The Rev. Rowland Backus Dodge*. Two daughters, two sons.

SMITH, AMELIA CATHERINE, 4515 Regent Street, Philadelphia.
Fellow in Biology, 1900-01. S.B., University of Pennsylvania, 1899. Graduate Scholar in Biology, Bryn Mawr College, 1899-1900; Demonstrator in Zoology, University of Pennsylvania, 1901-02; Graduate Student, University of Pennsylvania, 1904-06.
Married, 1901, *Mr. Philip Powell Calvert*.

SMITH, EUNICE CLARA, 625 East Avenue, Pawtucket, R. I.
Fellow in English, 1909-10. A.B., Brown University, 1907, and A.M., 1909. Graduate Student, Bryn Mawr College, 1910-11; Teacher of French in Wilkes Barre Institute, Wilkes Barre, Pa., 1911-15; Student of Music, 1911-15.

SMITH, EVA MARIA, The Ladies' College, Cheltenham, England.
Fellow in Mathematics, 1908-09. Newnham College, University of Cambridge, 1904-08, Graduate in Honours, First Class, Cambridge Mathematical Tripos, Part I, 1907, and Part II, 1908; Lecturer in Mathematics at the Ladies' College, Cheltenham, 1910-13.

SMITH, LOUISE PETTIBONE, Winchester Centre, Conn.
Fellow in Semitic Languages, 1912-13, 1914-15. A.B., Bryn Mawr College, 1908. Instructor in Hardin College, Mexico, Mo., 1908-11. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1911-12; Thayer Fellow and Student, American School of Oriental Studies in Jerusalem, 1913-14.

SMITH, MINNA STEELE, Newnham College, Cambridge, England.
Fellow in Teutonic Philology, 1894-96. Newnham College, University of Cambridge, 1890-94; Mediæval and Modern Languages Tripos, First Class, 1893. Assistant Lecturer in English, Newnham College, 1896-98; Staff Lecturer in Mediæval and Modern Languages, Newnham College, 1898-1913, and Director of Studies in Mediæval and Modern Languages, 1905-13; Lecturer in English, Girton College, University of Cambridge, 1898-1903, and 1906-15.

SOUTHWORTH, EFFIE A., Loma Linda, Cal.
Fellow in Biology, 1885-86. S.B., University of Michigan, 1885. Student Assistant in the Biological Laboratory, Bryn Mawr College, 1886-87; Assistant Mycologist of the United States Agricultural Bureau, Washington, D. C., 1887-92; Assistant in Botany, Barnard College, 1892-95; Working for the Carnegie Institution, Washington, 1910-11.
Married, 1896, *Mr. Volney Morgan Spalding*.

SPALDING, MARY CAROLINE, Wilson College, Chambersburg, Pa.
Fellow in English, 1910-11. A.B., Vassar College, 1901; Ph.D., Bryn Mawr College, 1912, subjects, English Philology, English Literature and French Philology. Graduate Student, Bryn Mawr College, 1906-08, and Graduate Scholar, 1908-10; Fellow by Courtesy, and Graduate Scholar, 1911-12; Teacher in the Misses Shipley's School, Bryn Mawr, 1901-10, and Assistant to the Misses Shipley and Tutor, 1912-13; Head of Department of English, Fairmont Seminary, Washington, D. C., 1913-14; Professor of English, Wilson College, 1914-15.

SPENCER, FANNIE GRACE CLARA, 1811 S. Third Street, Terre Haute, Ind.
Research Fellow in Chemistry, 1909-10. B.S., University of Illinois, 1908, and A.M., 1909. Teacher of Science and Bookkeeping in the East Chicago High School, 1910-11.

SPRAY, RUTH GLADYS, 1117 Kentucky Street, Lawrence, Kan.
Fellow in Biology, 1912-13. A.B., Kansas State University, 1911. Graduate Scholar in Biology, Bryn Mawr College, 1911-12.

STEVENS, NETTIE MARIA, See page 30.
Fellow in Biology, 1902-03.

STEWART, ANNE AMELIA, 28 South Street, Halifax, N. S.

Fellow in Mathematics, 1886-87. University College, London, 1880-82; B.Sc., Dalhousie College, 1886. Teacher of Mathematics in Miss Mary E. Stevens's School, Germantown, Philadelphia, 1888-93, 1895-96; Student in Mathematics and Physics, Newnham College, University of Cambridge, England, 1893-95; Teacher of Mathematics in the Stevens' School, Germantown, 1896-99; Private Tutor, 1900-03, 1908-09; Teacher of Mathematics, St. Margaret's College, Toronto, Canada, 1903-04; Teacher of Mathematics, Miss Knox's School, Briarcliff Manor, N. Y., 1905-06.

STOCKING, RUTH JENNINGS, Johns Hopkins University, Baltimore, Md.

Fellow in Biology, 1911-12. A.B., Goucher College, 1910. Graduate Student, Johns Hopkins University, 1910-11, 1913-15, and Fellow in Zoology, 1912-13; Alice Freeman Palmer Research Fellow of Wellesley College, 1913-14.

STREET, JENNETTE ATWATER, 47 Lakeview Avenue, Cambridge, Mass.

Fellow in Latin, 1895-96. A.B., University of Toronto, 1895. Teacher of Classics, St. Margaret's College, Toronto, Canada, 1897-1901; Suffrage Worker, 1912-14.

Married, 1901, *Professor Edward C. Jeffrey*. One son.

SUMNER, LOUISE MAUDSLEY, 1920 Selby Avenue, St. Paul, Minn.

Fellow in History, 1913-14. A.B., University of Minnesota, 1912, and A.M., 1913.

SWEET, MARGUERITE, 602 West 190th Street, New York City.

Fellow in English, 1891-92. A.B., Vassar College, 1887; Ph.D., Bryn Mawr College, 1892, subjects, English and Teutonic Philology. Graduate Student in Teutonic Philology and English, Bryn Mawr College, 1889-90, Graduate Scholar in Teutonic Philology, 1890-91; Instructor in English, Vassar College, 1892-97; Professor of English Literature, Mt. Holyoke College, 1897-99; Teacher of English in the Misses Ely's School, New York City, 1899-1905; Principal of the Hawthorne School, New York City, 1906-13; Head of the English Department in the Veltin School, New York City, 1914-15.

SWINDLER, MARY HAMILTON, See page 30.

Fellow in Greek, 1907-09.

TAYLOR, LILY ROSS, Vassar College, Poughkeepsie, N. Y.

Fellow in Latin, 1907-08. A.B., University of Wisconsin, 1906. Ph.D., Bryn Mawr College, 1912, subjects Latin and Classical Archaeology. Student, University of Bonn and American School of Classical Studies, Rome, 1909-10; Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Student in Greek and Latin, and Reader in Latin, 1908-09; Reader and Demonstrator in Archaeology, 1910-12; Instructor in Latin, Vassar College, 1912-15.

THOMPSON, CHARLOTTE DE MACKLOT, The Terraces, Camden, S. C.

Fellow in Romance Languages, 1896-97. A.B., Bryn Mawr College, 1896, group, Greek and French, and A.M., 1897.

THOMPSON, FRANCES D'ARCY,

Jumna Bridge, Hamirpur, United Provinces, India.

Fellow in Greek, 1911-12. Girton College, University of Cambridge, England, 1903-06; Graduate in Honours, First Class, Classical Tripos, Part I, 1906. M.A., Royal University of Ireland, 1907; Examiner in Latin, Royal University of Ireland, 1907-08; Classical Mistress in the High School, Portsmouth, England, 1906-08; Classical Teacher, Rosemary Hall, Greenwich, Conn., 1908-10; Reader in Latin, and Graduate Student, Bryn Mawr College, 1910-11.

Married, 1912, *Mr. Robert J. Hallidy*.

TIBBALS, KATE WATKINS, Sandy Hook, Conn.

Fellow in English, 1901-02. A.B., Wellesley College, 1899; Ph.D., University of Pennsylvania, 1904. Graduate Scholar in English, Bryn Mawr College, 1900-01; Fellow in English, University of Pennsylvania, 1902-03, and University Fellow, 1903-04; Instructor in English Literature, Wellesley College, 1904-05; Instructor in English, Vassar College, 1905-09; Associate Professor of English, Wells College, 1909-12.

TORELLE, ELLEN, 151 West Wilson Street, Madison, Wis.

Fellow in Biology, 1903-04. Ph.B., University of Minnesota, 1901, and A.M., 1902. Graduate Scholar, Bryn Mawr College, 1902-03; Dean of Milwaukee-Downer College and Professor of Biology, 1905-08; Scholar of the Naples Table Association for Promoting Scientific Research by Women, 1909; Research Worker in Biology, 1912-13; Lecturer and Writer, 1914-15.

Married, 1912, *Mr. Lewis Bernard Nagler*. One son.

TOWLE, ELIZABETH WILLIAMS, . . . The Baldwin School, Bryn Mawr, Pa.

Fellow in Biology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Chemistry and Biology, and A.M., 1899. Graduate Scholar in Physics and Biology, Bryn Mawr College, 1898-99; Teacher of Science in the High School, Middletown, Conn., 1900-01; Instructor in Biology, Rockford College, Rockford, Ill., 1901-03; Fellow in Physiology, University of Chicago, 1903-04; Graduate Student, Columbia University, 1904-06; Teacher of Physiology in Miss Jacobi's School, New York City, 1904-05; Teacher of Science in the Baldwin School, Bryn Mawr, 1907-15.

TRAYER, HOPE, See page 30.

Fellow in English, 1903-04.

URDAHL, MARGERETHE, Charleston, Ill.

Fellow in Teutonic Philology, 1900-02, and Special Fellow in Teutonic Philology, 1902-03, L.B., University of Wisconsin, 1896, and Ph.D., Bryn Mawr College, 1904, subjects, Teutonic Philology, German Literature and Sanscrit. Student, University of Berlin, 1898 and 1899; University of Heidelberg, Summer Term, 1899; University of Christiania, October, 1899; Teacher of German and Latin in the Chelton Hills School, Wyncote, Pa., 1903-04; Teacher of German and History, Eastern Illinois State Normal School, Charleston, Ill., 1905-06.

Married, 1906, *Mr. Lewis Albert Anderson*.

VAN DEMAN, ESTHER BOISE, 2514 Thirteenth Street, Washington, D. C.

Fellow in Latin, 1892-93. A.B., University of Michigan, 1891, and A.M., 1892; Ph.D., University of Chicago, 1898. Instructor in Latin, Wellesley College, 1893-95; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., 1895-96; Fellow in Latin, University of Chicago, 1896-98; Acting Professor of Latin, Mt. Holyoke College, 1898-99, and Associate Professor of Latin, 1899-1901; American School of Classical Studies, Rome, 1901-03; Associate Professor of Latin, the Woman's College, Baltimore, 1903-06; Fellow in Classical Archaeology of the Carnegie Institution, Rome, 1906-09, and Research Associate of the Carnegie Institution of Washington, 1910-13.

WADDELL, MARY EVELYN GERTRUDE,

596 Spadina Avenue, Toronto, Canada.

Fellow in Mathematics, 1904-05. A.B., University of Toronto, 1903, and A.M., 1904. Graduate Scholar in Mathematics and Physics, Bryn Mawr College, 1903-04; Instructor in Mathematics in St. Margaret's College, Toronto, 1906-12, and Graduate Student, University of Toronto, 1906-11; Private Tutor in Mathematics, 1912-15.

WALKER, ANNA MARTHA, 1136 South Alvarado Street, Los Angeles, Cal.

Fellow in Latin, 1905-06. A.B., Bryn Mawr College, 1895, group, Greek and Latin; A.M., Leland Stanford, Jr., University, 1901. Teacher of English in the National Institute for Girls, Guatemala City, Central America, 1896-97; Graduate Student, Leland Stanford, Jr., University, 1897-98, 1900-01; Graduate Student, Bryn Mawr College, Second Semester, 1898-99; Teacher in the Misses Wyllie's School, Mt. Holly, N. J., 1899-1900; Teacher of Latin and French in the High School, Ogden, Utah, 1901-02, and Teacher of Latin and Spanish, 1902-04; Student, American School of Classical Studies, Rome, 1904-05; Teacher of Greek in the High School, Los Angeles, Cal., 1906-13.

WARREN, WINIFRED, See page 30.

Fellow in Latin, 1893-94.

WEEKS, EULA ADELNE, Rich Hill, Mo.

Fellow in Mathematics, 1909-10. A.B. and B.S., University of Missouri, 1908, and A.M., 1909. Teacher in the High School, Rich Hill, Mo., 1901-05; Teacher of Mathematics in the Misses Shipley's School, and Graduate Student in Mathematics, Bryn Mawr College, 1910-12; Instructor in Mathematics, Mt. Holyoke College, 1912-13; Assistant in Mathematics, University of Missouri, 1913-14, and Fellow in Mathematics, 1914.

WERGELAND, AGNES MATHILDE, Died, 1914.

Fellow in History, 1890-91. Studied under the Direction of Prof. Konrad Maurer, Munich, 1884-86; University of Zürich, 1888-90; Ph.D., University of Zürich, 1890. Reader in History of Art, Bryn Mawr College, 1891-93; Docent in History, University of Chicago, 1896-1902, and Non-Resident Reader in History, University Extension Division, 1903-05, and Non-Resident Instructor, 1906-09; Professor of History and French, University of Wyoming, 1902-09, and of History and Spanish, 1909-14.

WHITE, FLORENCE DONNELL, Vassar College, Poughkeepsie, N. Y.

Fellow in French, 1907-08. A.B., Mt. Holyoke College, 1903, and A.M., 1907. Student, University of Paris, 1903-04; Graduate Scholar in Romance Languages, Bryn Mawr College, 1906-07; Instructor in French, Vassar College, 1908-15.

WILKINSON, ANNIE LYNDESAY,

623 Westview Street, Germantown, Philadelphia.

Fellow in Mathematics, 1899-1900. A.B., Vassar College, 1897, and A.M., 1898. Graduate Scholar, Vassar College, 1897-98. Babbott Fellow of Vassar College, and Graduate Scholar in German and Mathematics, Bryn Mawr College, 1898-99; Instructor in Mathematics, Vassar College, 1900-02; Suffrage Worker, 1913-15.

Married, 1902, *Dr. Joseph Head*. Two daughters, two sons.

WILLIAMS, ELLA CORNELIA, 609 West 127th Street, New York City.

Fellow in Mathematics, 1885-86. A.M., University of Michigan, 1880. Studied under Professor Schwarz, Göttingen, Germany, 1883-85; Newnham College, University of Cambridge, England, Spring Term, 1884; Teacher of Mathematics in Miss Moses's School, New York City, 1886-87; Teacher of Mathematics in the State Normal School, Plymouth, N. H., 1887-89; Teacher of Mathematics in Miss Spence's School, New York City, 1892-1915.

WILLIS, GWENDOLEN BROWN, 329 Dolphin Street, Baltimore, Md.

Fellow in Greek, 1902-04. A.B., University of Chicago, 1896, Ph.D., Bryn Mawr College, 1906, subjects, Greek and Archæology. Graduate Student, University of Chicago, 1900-01; American School of Classical Studies, Athens, 1901-02; Professor of Greek, Milwaukee-Downer College, and Teacher of Latin in Milwaukee-Downer Seminary, 1904-13; Student in Columbia University, on leave of absence, 1910-11; Teacher of Greek and Latin in the Bryn Mawr School, Baltimore, Md., 1914-15.

WINSTON, MARY FRANCES, 1620 Massachusetts Street, Lawrence, Kan.

Fellow in Mathematics, 1891-92. A.B., University of Wisconsin, 1889; Ph.D., University of Göttingen, 1897; Teacher of Mathematics, Downer College, 1889-91; Honorary Fellow in Mathematics, University of Chicago, 1892-93; Holder of the European Fellowship of the Association of Collegiate Alumnae, 1895-96; Student in Mathematics, University of Göttingen, 1893-96; Professor of Mathematics, Kansas State Agricultural College, 1897-1900; Assistant Professor of Mathematics, Washburn College, Topeka, Kans., 1913-15.

Married, 1900, *Mr. Henry Byron Newson* († 1910). Two daughters, one son.

WOOD, IDA,

Care of Colonel John P. Wood, 521 North 22nd Street, Philadelphia.

Fellow in English, 1888-89. A.B., Vassar College, 1877, and A.M., 1889; Ph.D., Bryn Mawr College, 1891. Graduate Student in English, Bryn Mawr College, 1887-88, 1889-90, and Fellow by Courtesy in English, 1890-91; Secretary of the Woman's Department, University of Pennsylvania, 1892-93; Secretary of the Bryn Mawr School, Baltimore, Md., 1894-96.

SUMMARY OF FELLOWSHIPS AWARDED.

EUROPEAN FELLOWSHIPS.	Founded.	Number of Holders.
Bryn Mawr European.....	By the Trustees in 1885.....	25
Mary E. Garrett European.....	By Miss Garrett in 1904.....	20
President M. Carey Thomas		
European.....	By Miss Garrett in 1896.....	18
Anna Ottendorfer Memorial Research Fellowship in Teutonic Philology.....	By Mrs. Anna Woerishoffer in 1907.....	5
Bryn Mawr Research, given by anonymous donor in 1906.....		1
Special European, given by anonymous donor in 1909.....		1

Total number of European Fellows, omitting duplicates.....69

RESIDENT FELLOWSHIPS.	Founded by the Trustees in	Number of Holders.
In Greek.....	1885.....	25**§§
In Latin.....	1892.....	22
In English.....	1885.....	26*§
In Teutonic Philology.....	1893.....	15††
In Romance Languages.....	1893.....	17§
In Semitic Languages.....	1912.....	1§
In History or Economics and Politics.....	1885.....	28§
In Economics and Politics.....	1912.....	3§
In Philosophy or Psychology.....	1896.....	11§§
In Archæology.....	1909.....	3§
In Mathematics.....	1885.....	24††
In Physics.....	1896.....	13
In Chemistry.....	1893.....	18††
In Geology.....	1912.....	2
In Biology.....	1885.....	23††
Research Fellowship in Chemistry.....	1907.....	3†
Helen Schaeffer Huff Research Fellowship in Physics or Chemistry, founded by an anonymous donor in 1913.....		2¶

Total number of Resident Fellows, omitting duplicates.... 230

Total..... 263‡

* Two students have held Fellowships in English who also held Fellowships in other subjects.

† Two of these students previously held a Fellowship in Chemistry.

‡ Of these thirty-three have held both European and Resident Fellowships.

§ One student held this Fellowship for two years.

** One of these students previously held a Fellowship in Latin and one a Fellowship in English.

†† Two students held this Fellowship for two years.

§§ Three students held this Fellowship for two years.

¶ One of these students previously held a Fellowship in Chemistry.

BRYN MAWR COLLEGE.

GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, five miles from Philadelphia, was endowed by Dr. Joseph W. Taylor of Burlington, New Jersey, who purposed founding an institution of learning for the advanced education of women which should afford them "all the advantages of a college education that are so freely offered to young men." In the spring of 1885 the first program was issued, and the college opened for instruction in the following autumn.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately. No undergraduates are admitted to graduate courses.

Regulations of the Graduate Department.

From the first it has been the policy of the Trustees of Bryn Mawr College to organise no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years provides preparation in the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one or two years and offered as one of the two minor or secondary subjects.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing.* They may pursue any

* The certificates of the women's colleges of the English universities of Oxford and Cambridge, are regarded as equivalent to a first degree,—i. e., to the degree of Bachelor of Arts.

courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses. They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs will be considered in the arrangement of new courses of lectures; they must consult the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiencies in this respect.

Fellowships and Scholarships.

The most distinguished place among the graduate students is held by the Fellows, who must reside in the college during the academic year. Sixteen resident fellowships, of the value of five hundred and twenty-five dollars each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Archæology, Mathematics, Physics, Chemistry, Geology, and Biology, the Justus C. Strawbridge Fellowship in Economics and Politics, and the Carola Woerishoffer Fellowship in Social Economy and Research. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in some other manner, that her studies have not been without result.

The Helen Schaeffer Huff Memorial Research Fellowship of the value of seven hundred and fifty dollars, founded in 1913, is awarded annually to a student pursuing advanced graduate work in either Physics or Chemistry, to be held during one year's work at Bryn Mawr College.

Applicants for the fellowship must be students who have done advanced graduate work at Bryn Mawr College or at other colleges or universities. They must have shown distinct ability in their work and at the time of application must have in outline or actually in hand some definite piece of research work. The holder of the fellowship must do her major work under the direction of the Department of Chemistry or of the Department of Physics. In awarding the fellowship the ability of the applicant to do the best kind of research work will be considered. Where equally good candidates are considered, preference will be given to a student working on problems which may be considered to lie along the borderline between Chemistry and Physics. The fellowship may under exceptional circumstances be awarded in consecutive years to the same student, or the fellowship may be given to a graduate student working at Bryn Mawr College to be held during one year's work at some other American college or university if in the opinion of the Committee it is imperative for that student to go to some other college or university in order to complete an important piece of work.

All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries

in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other duties in addition to their college work. Fellows* are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary fee.

Twenty Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars* are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations.

One Graduate Scholarship, founded in 1910, of the value of two hundred and fifty dollars, in memory of Susan B. Anthony, is open to the candidate wishing to devote herself to studies dealing with the position of women in politics and industry, whose work shows most promise of future success.

Ten Graduate Scholarships, of the value of four hundred and five dollars each were founded in 1909 and are open, five to English, Scotch, or Irish women, and five to German women, whose academic work is equivalent to that denoted by the Bachelor's degree of an American college or university of acknowledged standing. Two graduate scholarships of the same value and open on the same conditions to women of French nationality were founded in 1913. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, residence, and infirmary fee for the academic year. A furnished single room is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence.†

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and

* It is expected that fellows and scholars of the college will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

† For the rates see page 64.

must be made not later than the fifteenth* of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of seven hundred dollars applicable to the expenses of one year's study and residence at some German university is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German.

Two European fellowships, founded by Miss Garrett, of Baltimore, are open to graduate students who are enrolled as candidates for the degree of Doctor of Philosophy. One, founded in 1896, and named by the donor the President M. Carey Thomas Fellowship, is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College; the other, founded in 1894, and known as the Mary E. Garrett Fellowship, is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. These fellowships, of the value of

* In the case of candidates for the Scholarships open to British and French women applications must be received by May the first. Applications for the scholarships should be accompanied by full particulars of the candidate's academic work by diplomas or certificates and by letters of recommendation from professors and should be addressed in the case of British and French candidates to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., and in the case of German candidates to Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany, before April the first.

five hundred dollars each, are intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges, who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have worked as a graduate student at Bryn Mawr College for a full year* during which at least two-thirds of her time must have been devoted to advanced work in closely related lines according to a course of study approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy for the degree to the President not later than the first day of May in the academic year in which the degree is to be conferred.

*It is understood that the work done for the degree of Master of Arts does not necessarily count as a full year towards the degree of Doctor of Philosophy and Master of Arts.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

REQUIREMENTS.

1. *Time*.—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence*.—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

3. *Subjects*.—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorised in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses*.—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university, the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognised by the Graduate Committee as seminars;* in the independent minor she shall take for one year two seminars, or

* A course will not be regarded as equivalent to a seminar unless it requires about sixteen hours a week of the student's time.

graduate courses recognised as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminars and one journal club for at least two years must be taken before the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation*.—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita), of which two must be bound in a specified manner, must then be supplied to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations*.—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

Registration.—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit* to the Graduate Committee in writing an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

Expenses.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable

* Using the application blank issued by the Graduate Committee.

half-yearly in advance. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.* This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester

* The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on pages 51 to 62 are charged in addition to the charge for tuition.

with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in geology each hour of field work counts as one hour of laboratory work.

Residence.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden.

Application for rooms should be made as early as possible. The demand for graduate rooms is very great, and since every room unnecessarily reserved may prevent some other student from entering the college, a deposit of fifteen dollars is required in order that the application may be registered. In case the applicant enters the college in the year for which the room is reserved, the amount of the deposit is deducted from the first

college bill. If she changes the date of her application or files formal notice of withdrawal at the secretary's office before July fifteenth of the year for which the application is made, the deposit will be refunded. If, for any reason whatever, the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College. Students making application for a room for the second semester forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved. In order to make application for a room it is necessary to sign a room-contract, which will be sent on application, and return it with the fee of fifteen dollars to the Secretary of the College. A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if formal notice of withdrawal is not filed at the secretary's office on or before May first of the current year.

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room for the second semester is responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal for any cause whatever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

Any student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam. The air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week.

No charge is made for sending meals to students that are in the infirmary by the order of a physician.

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$1.20 a day or \$8.40 a week. At Christmas the college halls are closed, but accommodation is provided on or near the college campus. At Easter graduate students may occupy their own rooms in the halls of residence at the above rate. Graduate students remaining during the vacations in the neighborhood of Bryn Mawr are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation unless they inform the Secretary of the College in advance of their intention to spend the vacation elsewhere, and register their addresses in the college office.

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, the Senior Warden, and the physicians of the college.

The Assistant Physician of the College is in her office in the college during the hours from four to five-thirty of every afternoon, except Sunday, and may be consulted by the students without charge.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organised in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The college reserves the right to exclude at any time and to cancel the fellowships or scholarships held by students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

In 1893 the Bryn Mawr Graduate Association was organized by the graduate students then in residence, its object being to further the social life of the graduate students and to facilitate interchange of opinion with other colleges and universities doing graduate work. A room in Denbigh Hall is set apart by the college to be used by the members as a club-room. Informal meetings are frequently held in this room, and several times during the year the Association invites the Faculty and friends of the college to larger social gatherings, which are addressed by well-known speakers.

Summary of Expenses of Graduate Students.

Tuition for the semester, payable on registration:	
For one hour* a week of lectures.....	\$ 10.00
For two hours a week of lectures.....	\$ 20.00
For three hours a week of lectures.....	\$ 30.00
For four or five hours a week of lectures.....	\$ 40.00
For six or more hours a week of lectures.....	\$ 62.50
Room-rent for the academic year, payable on registration.....	\$ 75.00
Board for the semester payable on registration.....	\$100.00
Total expenses for the academic year:	
Tuition fee, for six or more hours a week of lectures.....	\$125.00
Room-rent.....	\$ 75.00
Board.....	\$200.00
Infirmary fee.....	\$ 5.00
<hr/>	
Total for tuition, residence, and infirmary care for the academic year..	\$405.00
Laboratory fees for the academic year.....	\$10 to \$36

Students whose fees are not paid before November first in the first semester and before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Mrs. Edward Wyatt Evans, 151 East Coulter Street, Germantown, Philadelphia; Miss Ethel Pew, Morris Avenue, Bryn Mawr, Pa., Miss Kathrine Leonard Howell, 3307 Hamilton Street, Philadelphia, and Mrs. Robert Darrah Jenks, 1704 Rittenhouse Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for any given year should be made before May 1st of the preceding academic year.

Libraries.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past twenty-nine years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about seventy-five thousand bound volumes, and ten thousand dis-

* See footnote, page 61.

sertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 74 and 98.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

- | | |
|--|---|
| Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München. | Harper's Weekly. |
| Academy. | Harvard Graduates' Magazine. |
| *Amherst Graduates' Quarterly. | Illustrated London News. |
| Annales Politiques et Littéraires. | L'Illustration. |
| Athenæum. | Independent. |
| Atlantic Monthly. | Index to Dates. |
| *Bibliothèque de la Faculté des Lettres de l'Université de Paris. | Internationale Wochenschrift für Wissenschaft, Kunst u. Technik. |
| Bookman. | Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen. |
| Bookman (English). | *Johns Hopkins University, Circulars. |
| *Book News Monthly. | Library Journal. |
| Bookseller. | Masses. |
| *Bryn Mawr Alumnae Quarterly. | McClure's Magazine. |
| Bulletin of Bibliography. | Mercure de France. |
| *Bulletin of the New York Public Library. | *Mind and Body. |
| *Bulletin of the Pan-American Union. | Monthly Bulletin of the Carnegie Library of Pittsburgh. |
| Century. | Münchener allgemeine Zeitung. |
| Collier's Weekly. | Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen. |
| *Columbia University Quarterly. | Nation. |
| Contemporary Review. | Neue Rundschau. |
| Country Life in America. | New Republic. |
| Cumulative Book Index. | Nineteenth Century. |
| Deutsche Rundschau. | North American Review. |
| Dial. | Notes and Queries. |
| Drama. | Nuova Antologia. |
| Edinburgh Review. | Outlook. |
| English Review. | *Pennsylvania Library Notes. |
| Fortnightly Review. | Preussische Jahrbücher. |
| Forum. | Publishers' Weekly. |
| Göttingische Gelehrte Anzeigen. | |
| Harper's Monthly Magazine. | |

Punch.
 Quarterly Review.
 Reader's Guide to Periodical Literature.
 Review of Reviews.
 Revue Critique d'Histoire et de Littérature.
 *Revue Critique des Livres Nouveaux.
 Revue de Paris.
 Revue des Deux Mondes.
 Revue Politique et Littéraire: Revue Bleue.
 Saturday Review.
 Scribner's Magazine.
 Sewanee Review.
 Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.

Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.
 Spectator.
 Der Türmer.
 *Tipyn o' Bob.
 *University of California, Publications.
 *University of Colorado, Studies.
 *University of Missouri, Studies.
 *University of Nebraska, Studies.
 *University of Nevada, Studies.
 *University of Texas, Studies.
 *University of Washington, Studies.
 Die Woche.
 World's Work.

Newspapers.

*Bryn Mawr Record.
 New York Evening Post.
 New York Times.

*Boston Transcript.
 Philadelphia Public Ledger.
 London Times.

Art and Archæology.

American Journal of Archæology.
 Art and Archæology.
 Bulletin de Correspondance hellénique.
 *Bulletin of the Metropolitan Museum of Art, New York.
 Burlington Magazine.
 Denkmäler der Malerei des Altertums.
 Ephemeris Archæologike.
 Jahrbuch des Kaiserlich deutschen archäologischen Instituts.
 Jahresbericht über die Fortschritte der classischen Alterthumswissenschaft.
 Jahreshefte des österreichischen archäologischen Instituts in Wien.

Journal of Hellenic Studies.
 Mittheilungen und Nachrichten des Deutschen Palästina Vereins.
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Athenische Abteilung.
 Mittheilungen des Kaiserlich deutschen archæologischen Instituts, Römische Abteilung.
 *Museum of Fine Arts Bulletin, Boston.
 Notizie degli Scavi di Antichità.
 Revue Archéologique.
 Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
 All Opinions of the U. S. Supreme Court.
 Allgemeines statistisches Archiv.
 American City.
 American Economic Review.
 American Federationist.
 American Journal of Sociology.
 American Labor Legislation Review.
 American Political Science Review.
 Annalist.
 Annals of the American Academy of Political and Social Science.
 Bibliography of Social Science.
 *Bulletin of the New York State Department of Labor.

*Bulletin of the University of Wisconsin, Economics and Political Science Series.
 Charity Organization Review.
 *City Club Bulletin.
 Columbia Law Review.
 Columbia Studies in History, Economics and Public Law.
 Cooperation.
 Cooperative Consumer.
 Economic Journal.
 Economic Review.
 *Die Friedenswarte.
 Great Britain, Quarterly List of Official Publications.
 Handbuch der öffentlichen Rechte.

Harvard Law Review.
 International Socialist Review.
 Jahrbücher für Nationalökonomie u. Statistik.
 Johns Hopkins University Studies in Historical and Political Science.
 Journal of Criminal Law.
 Journal of Political Economy.
 Journal of the Royal Statistical Society.
 *La paix par le droit.
 Pacific Co-operator.
 Political Science Quarterly.
 Proceedings of the Academy of Political Science.
 Publications of the American Economic Association.
 Publications of the American Statistical Association.

Quarterly Journal of Economics.
 Revue Bibliographique.
 *Southern Workman.
 Survey.
 *University of Missouri Studies, Social Science Series.
 *University of Pennsylvania Publications, Series in Political Economy and Public Law.
 Vierteljahrschrift für Philosophie u. Soziologie.
 Yale Review.
 Zeitschrift für Socialwissenschaft.
 Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

Education.

Berichte der Dalcroze Schule.
 Education.
 Educational Review.
 Educational Times.
 Elementary School Journal.
 Journal of Educational Psychology.
 Journal of Experimental Pedagogy.
 Journal of Pedagogy.
 *Journal of the Association of Collegiate Alumne.
 Lehrproben und Lehrgänge.
 Manual Training Magazine.

Pädagogische Studien.
 Pedagogical Seminary.
 Revue Internationale de l'Enseignement Supérieur.
 Revue Universitaire.
 School Journal.
 School Review.
 School Science and Mathematics.
 *University of California Publications, Education.
 Zeitschrift für Pädagogische Psychologie.
 Zeitschrift für Schulgesundheitspflege.

History.

American Historical Review.
 *Bulletin of the University of Wisconsin, History Series.
 English Historical Review.
 Historical Manuscripts Commission, Reports.
 Historische Vierteljahrschrift.
 Historische Zeitschrift.
 *Illinois State Historical Society Journal.
 Jahresberichte der Geschichtswissenschaft.
 Klio, Beiträge zur alten Geschichte.

New York Times Current History of the European War.
 Pennsylvania Magazine of History.
 Révolution Française.
 Revue des Etudes Napoléoniennes.
 Revue des Questions Historiques.
 Revue Historique.
 *University of Pennsylvania Publications, Series in History.
 *University of Toronto Studies, History and Economics.

Philology and Literature, Classical.

Bulletin Bibliographique et Pédagogique du Musée Belge.
 Classical Journal.
 Classical Philology.
 Classical Quarterly.
 Classical Review.
 Classical Weekly.
 Harvard Studies in Classical Philology.

Hermes.
 Jahresbericht über die Fortschritte der Klassischen Altertumswissenschaft.
 Journal of Hellenic Studies.
 Journal of Roman Studies.
 Le Musée Belge, Revue de Philologie Classique.
 Mnemosyne.

Philologische Untersuchungen.
 Philologus.
 Quellen und Forschungen zur lateinischen
 Philologie.
 Revue de Philologie.
 Revue des Études Grecques.
 Rheinisches Museum für Philologie.

Rivista di Filologia.
 Studi Italiani di Filologia Classica.
 Studi Storici per l'Antichità Classica.
 Wiener Studien, Zeitschrift für klassische
 Philologie.
 Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
 Berliner philologische Wochenschrift.
 Eranos.
 Indogermanische Forschungen.
 Journal of English and Germanic Philol-
 ogy.
 Journal of Philology.
 Neue Jahrbücher für das klassische Alter-
 tum, Geschichte und deutsche Literatur.

Transactions of the American Philological
 Association.
 Zeitschrift für das Gymnasialwesen.
 Zeitschrift für die österreichischen Gym-
 nasien.
 Zeitschrift für vergleichende Literatur-
 geschichte.
 Zeitschrift für vergleichende Sprachfor-
 schung.

Philology and Literature, Modern.

Anglia.
 Anglistische Forschungen.
 Annales Romantiques.
 Archiv für das Studium der neueren
 Sprachen.
 Archivio Glottologico Italiano.
 Arkiv for Nordisk Filologi.
 Beiblatt zur Anglia: Mitteilungen über
 englische Sprache und Litteratur.
 Beiträge zur Geschichte der deutschen
 Sprache und Literatur.
 Bonner Studien zur englischen Philologie.
 British Society of Franciscan Studies.
 Bulletin de la Société des Anciens Textes
 Français.
 Bulletin hispanique.
 Chaucer Society, Publications (both
 series).
 Deutsche Literaturzeitung.
 Dialect Notes.
 Early English Text Society Publications
 (both series).
 Englische Studien.
 Euphoriion.
 German American Annals.
 Germanisch-romanische Monatsschrift.
 Giornale Dantesco.
 Giornale Storico della Letteratura Italiana.
 Goethe Jahrbuch.
 Jahrbuch der deutschen Shakespeare
 Gesellschaft.
 Jahrbuch des Vereins für niederdeutsche
 Sprachforschung.
 Jahresbericht über die Erscheinungen auf
 dem Gebiete der germanischen Philo-
 logie.
 Journal of German Philology.

Kieler Studien zur englischen Philologie.
 Korrespondenzblatt des Vereins für nieder-
 deutsche Sprachforschung.
 Kritischer Jahresbericht über die Fort-
 schritte der romanischen Philologie.
 The Library.
 Literarische Echo.
 Literarisches Centralblatt.
 Literaturblatt für germanische und roman-
 ische Philologie.
 Le maître Phonétique.
 Materialien zur Kunde des älteren Engli-
 schen Dramas.
 Modern Language Notes.
 Modern Language Review.
 Modern Philology.
 Münchener Beiträge zur romanischen und
 englischen Philologie.
 Palaestra.
 Poet-lore.
 Poetry and Drama.
 Praeger deutsche Studien.
 Publications of the Modern Language
 Association.
 Quellen und Forschungen zur Sprach- und
 Culturgeschichte der germanischen
 Völker.
 Rassegna Bibliografica.
 Revue d'Histoire Littéraire de la France.
 Revue des Etudes Rabelaisiennes.
 Revue Germanique.
 Revue Hispanique.
 Romania.
 Romanic Review.
 Romanische Forschungen.
 Schriften der Goethe Gesellschaft.
 Scottish Text Society, Publications.

Société des Anciens Textes Français, Publications.
 Société des Textes Français Modernes, Publications.
 Studien zur englischen Philologie.
 Wiener Beiträge zur englischen Philologie.
 Zeitschrift für den deutschen Unterricht.

Zeitschrift für deutsche Philologie.
 Zeitschrift für deutsches Altertum und deutsche Litteratur.
 Zeitschrift für deutsche Wortforschung.
 Zeitschrift für französische Sprache und Litteratur.
 Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.
 Babyloniaca.
 Jewish Quarterly Review.
 Proceedings of the Society of Biblical Archaeology.

Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.
 Zeitschrift für ägyptische Sprache und Altertumskunde.
 Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
 Année Psychologique.
 Archiv für die gesammte Psychologie.
 Archiv für Geschichte der Philosophie.
 Archiv für systematische Philosophie.
 Archives de Psychologie.
 Archives of Psychology.
 British Journal of Psychology.
 Bulletin de l'Institut Psychologique.
 Hibbert Journal.
 International Journal of Ethics.
 Journal de Psychologie.
 Journal für Psychologie und Neurologie.
 Journal of Abnormal Psychology.
 Journal of Animal Behaviour.
 Journal of Educational Psychology.
 Journal of Philosophy, Psychology and Scientific Methods.
 Journal of Religious Psychology.
 Logos.
 Mind.
 Monist.
 Philosophical Magazine.
 Philosophical Review.

Proceedings of the Aristotelian Society.
 Psychological Bulletin.
 Psychological Review.
 Psychological Review; Monograph Supplements.
 Psychological Review; Psychological Index.
 Psychologische Arbeiten.
 Psychologische Studien.
 Revue de Métaphysique.
 Revue de Psychothérapie.
 Revue Philosophique.
 *Studies from the Yale Psychological Laboratory.
 *University of California Publications, Philosophy.
 *University of Toronto Studies, Psychology Series.
 Vierteljahrsschrift für wissenschaftliche Philosophie.
 Zeitschrift für angewandte Psychologie.
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt. Zeitschrift für Sinnesphysiologie.

Religion.

American Friend.
 American Journal of Religious Psychology and Education.
 American Journal of Theology.
 †Association Monthly.
 †Australasian Intercollegian.
 *Baptist Missionary Magazine.
 Biblical World.
 Bibliotheca Sacra.
 *Deaconess Advocate.

†Expositor.
 Expository Times.
 Friends' Missionary Advocate.
 *Hartford Seminary Record.
 *Harvard Theological Review.
 †Herald of Gospel Liberty.
 †Indian's Friend.
 †Intercollegian.
 Journal of Biblical Literature.
 Journal of Theological Studies.

†Missionary Review.

Proceedings of the Society of Biblical
Archæology.

*Publications of the American Jewish
Historical Society.

Religious Education.

*Spirit of Missions.

*Woman's Missionary Friend.

Science, Biology.

American Journal of Anatomy.

American Journal of Physiology.

American Naturalist.

Anatomischer Anzeiger.

Archiv für Anatomie und Physiologie.

Archiv für die gesammte Physiologie.

Archiv für Entwicklungsmechanik der
Organismen.

Archiv für mikroskopische Anatomie.

Archiv für Protistenkunde.

Bibliographia Physiologica.

Biologisches Centralblatt.

Biometrika.

Botanische Zeitung. 1. Abtheilung.

Botanische Zeitung. 2. Abtheilung.

Botanisches Centralblatt.

*Brown University, Contributions from the
Biological Laboratory.

Centralblatt für Physiologie.

Eugenics Laboratory Memoirs.

*Illinois State Laboratory of Natural
History Bulletin.

Jahrbücher für wissenschaftliche Botanik.

Journal de Physiologie.

Journal of Biological Chemistry.

Journal of Experimental Medicine.

Journal of Experimental Zoology.

Journal of Genetics.

Journal of Morphology.

Journal of Physiology.

Journal of the Royal Microscopical
Society.

Mittheilungen aus der Zoologischen Sta-
tion zu Neapel.

Quarterly Journal of Microscopical
Science.

*University of California Publications,
Physiology.

*University of California Publications,
Zoology.

*University of Pennsylvania, Contribu-
tions from the Botanical Laboratories.

*University of Pennsylvania, Contribu-
tions from the Zoological Laboratories.

*University of Toronto Studies, Biological
Series.

University of Toronto Studies, Physio-
logical Series.

Zeitschrift für wissenschaftliche Zoologie.

Zoologischer Anzeiger.

Science, General.

American Journal of Science.

Atti della Reale Accademia della Scienze
di Torino.

*Bulletin of the University of Wisconsin,
Science Series.

Comptes Rendus des Séances de l'Académie
des Sciences.

Elisha Mitchell Scientific Society Journal.

International Catalogue of Scientific Lit-
erature.

Kansas University, Science Bulletin.
Nature.

*New York State Museum Bulletin.

*Oklahoma University Research Bulletin.

Philosophical Transactions of the Royal
Society of London.

Popular Science Monthly.

Proceedings of the American Philosophical
Society.

Proceedings of the Royal Society of
London.

Public Health Nurse Quarterly.

Science.

Scientific American and Supplement.

*Technology Review.

*University of Missouri Studies, Science
Series.

Science, Geology and Geography.

Centralblatt für Mineralogie.

Economic Geology.

Geographical Journal.

Geological Magazine.

Geologisches Centralblatt.

*Georgia Geological Survey Bulletin.

*Illinois Geological Survey Bulletin.

Journal of Geography.

Journal of Geology.

Meteorologische Zeitschrift.

Mineralogical Magazine.
 Mineralogische und petrographische Mit-
 theilungen.
 National Geographic Magazine.
 Neues Jahrbuch für Mineralogie, Geologie
 und Paläontologie.

Philadelphia Geographical Society Bulletin.
 Quarterly Journal of the Geological
 Society.

*U. S. Monthly Weather Review.

*University of Toronto Studies, Geological
 Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
 American Journal of Mathematics.
 Annalen der Chemie.
 Annalen der Physik.
 Annales de Chimie et de Physique.
 Annales Scientifiques de l'Ecole Normale
 Supérieure.
 Annali di Matematica.
 Astrophysical Journal.
 Beiblätter zu den Annalen der Physik.
 Berichte der deutschen chemischen Gesell-
 schaft.
 Bibliotheca Mathematica.
 Bollettino di Bibliografia e Storia delle
 Scienze Matematiche.
 Bulletin de la Société Chimique de France.
 Bulletin de la Société Mathématique.
 Bulletin des Sciences Mathématiques.
 Bulletin of the American Mathematical
 Society.
 Cambridge Tracts in Mathematics.
 Chemical Abstracts.
 Chemisches Zentralblatt.
 Giornale di Matematiche.
 Jahrbuch über die Fortschritte der
 Mathematik.
 Jahresbericht der deutschen Mathematiker
 Vereinigung.

Jahresbericht über die Fortschritte der
 Chemie.
 Journal de Mathématiques.
 Journal de Physique.
 Journal für die reine und angewandte
 Mathematik.
 Journal für praktische Chemie.
 Journal of the Chemical Society.
 Journal of Physical Chemistry.
 Kolloidzeitschrift.
 Mathematische Annalen.
 Messenger of Mathematics.
 Monatshefte für Chemie.
 Physical Review.
 Physikalische Zeitschrift.
 Proceedings of the London Mathematical
 Society.
 Quarterly Journal of Mathematics.
 Rendiconti del Circolo Matematico di
 Palermo.
 Science Abstracts.
 Transactions of the American Mathe-
 matical Society.
 *U. S. Bureau of Standards Bulletin.
 Zeitschrift für anorganische Chemie.
 Zeitschrift für Elektrochemie.
 Zeitschrift für Mathematik und Physik.
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Philadelphia Library Company*, which contains about 242,400 volumes and 30,000 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, \$12 a year, or \$10 for nine months.

The *Mercantile Library*, which contains about 213,400 volumes and 21,800 pamphlets. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 80,700 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 402,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 510,800 volumes and 215,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 64,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 130,000 volumes, and 275,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of a non-resident lecturer in Sanskrit.

GRADUATE COURSES.

The following graduate courses are offered in each year:

Lectures on Comparative Philology and Philological Seminary.

Two hours a week throughout the year.

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Indo-European group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course which covers what during the last few years has been the field of the most active research the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Second Year Sanskrit.*One or two hours a week throughout the year.*

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology.

Advanced Sanskrit.*Two hours a week throughout the year.*

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second semester the course is conducted as a seminary, with use of the native commentaries.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the College. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

GRADUATE COURSES.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a major subject for the degree of Doctor of Philosophy must offer not less than two seminaries and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminaries and one journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. The post-major courses also are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archaeology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see page 124.

No undergraduates are admitted to graduate courses.

Dr. Sanders conducts in each year the following graduate seminary:

Greek Seminary.

Three hours a week throughout the year.

In 1914-15 Attic Tragedy is the subject of the seminary. The work of the seminary in textual criticism is devoted to Sophocles. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1915-16 Greek Orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Andiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hyperides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1916-17 Greek Historians will be the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

Dr. Wright conducts in each year the following graduate seminary:

Greek Seminary.

Two hours a week throughout the year.

In 1914-15 Plato is the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* is criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

In 1915-16 the Homeric Question will be the subject of the seminary, and the work will consist of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics will be taken up and criticised in detail.

In 1916-17 Aristophanes will be the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

Dr. Sanders and Dr. Wright together conduct the journal club:

Greek Journal Club. *One and a half hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent articles and books on subjects connected with the Greek classics.

POST-MAJOR COURSES.

Dr. Sanders offers in 1914-15 the following post-major courses, open to graduate students:

Sophocles, <i>Trachiniæ</i> and Euripides, <i>Heracles</i> .	<i>Two hours a week during the first semester.</i>
Herodotus.	<i>One hour a week during the first semester.</i>
Greek Prose Composition.	<i>One hour a week during the second semester.</i>
Bacchylides.	<i>One hour a week during the second semester.</i>
Euripides, <i>Bacchæ</i> .	<i>One hour a week during the second semester.</i>

Dr. Sanders offers in 1915-16 the following post-major courses, open to graduate students:

Æschylus, <i>Oresteia</i> .	<i>Two hours a week during the first semester.</i>
Aristophanes, <i>Acharnians</i> , <i>Knights</i> .	<i>One hour a week during the first semester.</i>
Pindar.	<i>Two hours a week during the second semester.</i>
Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> .	<i>One hour a week during the second semester.</i>

Dr. Sanders offers in 1916-17 the following post-major courses, open to graduate students:

Minor Orations of the Attic Orators.	<i>Two hours a week during the first semester.</i>
Sophocles, <i>Antigone</i> or <i>Oedipus Tyrannus</i> .	<i>One hour a week during the first semester.</i>
Æschylus, <i>Agamemnon</i> or Thucydides.	<i>Two hours a week during the second semester.</i>
Greek Prose Composition.	<i>One hour a week during the second semester.</i>

Dr. Wright offers in 1914-15 the following post-major courses, open to graduate students:

Theocritus.	<i>Two hours a week during the first semester.</i>
Æschylus, <i>Septem</i> .	<i>Two hours a week during the second semester.</i>

Dr. Wright offers in 1915-16 the following post-major courses, open to graduate students:

Palatine Anthology or Lucian.	<i>Two hours a week during the first semester.</i>
Sophocles, <i>Ajax</i> .	<i>Two hours a week during the second semester.</i>

Dr. Wright offers in 1916-17 the following post-major courses, open to graduate students:

Melic Poets.	<i>Two hours a week during the first semester.</i>
Plato, <i>Republic</i> .	<i>Two hours a week during the second semester.</i>

FREE ELECTIVE COURSES.

Minor and major courses amounting to seven hours a week are offered in Classical Art and Archæology; see pages 124 to 126.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Professor of Latin, Dr. James Fulton Ferguson, Associate in Ancient History and Latin, and Dr. Mary Hamilton Swindler, Reader in Latin and Reader and Demonstrator in Classical Archæology.

GRADUATE COURSES.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Comedy, Lyric Poetry, and Elegy and Roman History, Epigraphy and Literature, or Syntax. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminaries and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminaries and one journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

No undergraduates are admitted to graduate courses.

Dr. Wheeler conducts in each year the following graduate seminary:

Latin Seminary.	<i>Three hours a week throughout the year.</i>
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In 1914-15 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by

C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

In 1915-16 Latin Comedy will be the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoedæ*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1916-17 Roman Lyric in the Period of the Republic is the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

Dr. Frank conducts in each year the following graduate seminary:

Latin Seminary.

Two hours a week throughout the year.

In 1914-15 selected topics in Roman Literature are studied. The work consists of studies in the beginnings of the Roman epic, tragedy, and prose. The students read reports on special subjects assigned to them. A study of Latin Syntax may be substituted.

In 1915-16 Cicero's Correspondence will be the subject of the seminary. An effort will be made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilisation of Cicero's day.

In 1916-17 Latin Epigraphy and Palæography will be the work of the seminary. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

Dr. Wheeler and Dr. Frank together conduct the journal club.

Latin Journal Club.

One and a half hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent articles and books on subjects connected with the Latin classics.

POST-MAJOR COURSES.

Dr. Wheeler offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

Roman Elegy.

Two hours a week throughout the year.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read. The readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Wheeler offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

Roman Satire.

Two hours a week throughout the year.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Frank offers in 1914-15 and again in 1916-17 the following post-major courses, open to graduate students:

The Life and Works of Vergil.

Three hours a week during the first semester.

The larger part of the *Aeneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition.

One hour a week throughout the year.

Roman Prose of the Empire.

Three hours a week during the second semester.

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius, and Minucius Felix are read.

Dr. Frank offers in 1915-16 and again in 1917-18 the following post-major courses, open to graduate students:

Lucretius and Catullus.

Three hours a week during the first semester.

Selections from the *De Rerum Natura* and from the lyrics of Catullus are read.

Latin Prose Composition.

One hour a week throughout the year.

Cicero and Cæsar.

Three hours a week during the second semester.

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Dr. Frank offers in each year the following elective course, open to graduate students:

Lectures on Roman Life.

One hour a week throughout the year.

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown, Dr. Richard Thayer Holbrook, Dr. Orie Latham Hatcher, Dr. Regina Katharine Crandall, Dr. Agathe Lasch, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Jr., Dr. Jean Baptiste Beck, Mr. Samuel Arthur King, Dr. Pierre François Giroud, Miss Mary Jeffers,

Dr. Edna Aston Shearer, Dr. Ida Langdon, Miss Christine Potts Hammer, Miss Esther Cloudman Dunn, Dr. Dorothy Brewster, Miss Ellen Thayer, and Miss Clara Whitney Crane.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly,* Professor of English, Dr. Carleton Fairchild Brown, Professor of English Philology, Dr. Orie Latham Hatcher, Associate Professor of Comparative Literature and Elizabethan Literature, Dr. Regina Katharine Crandall, Director of Essay Work, Dr. Samuel Claggett Chew, Jr., Associate in English Literature, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Edna Aston Shearer, Dr. Ida Langdon, Miss Christine Potts Hammer, Miss Esther Cloudman Dunn, Dr. Dorothy Brewster, and Miss Clara Whitney Crane, Readers in English.

GRADUATE COURSES.

There are offered each year distinct graduate seminaries and courses in English literature and in English language, and these seminaries and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the essay work in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as an associated minor and those who offer English philology as a major subject must offer English literature as an associated minor. In the major together with the associated minor the student must offer two seminaries and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

* Granted leave of absence for the year 1915-16.

Dr. Brown conducts in each year the following graduate seminary:

Seminary in Middle English.

Three hours a week throughout the year.

In 1914-15 the seminary undertakes the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

In 1915-16 the Beginnings of English Drama will be the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles will be studied. In considering the morality plays, their connection with mediæval allegories, debates, and didactic treatises will be specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

In 1916-17 Middle English Romances will be the subject. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

Dr. Brown offers in 1914-15 and again in 1916-17 the following graduate courses:

Beowulf.

Two hours a week throughout the year.

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

English Historical Grammar.

Two hours a week throughout the year.

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Dr. Brown offers in 1915-16 and again in 1917-18 the following graduate course:

Cynewulf and Cædmon.

Two hours a week throughout the year.

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts or its equivalent.

Miss Donnelly conducts in alternate years the following graduate seminary:

Seminary in English Literature.

Two hours a week throughout the year.

In 1914-15 Donne and Milton are the subject of the seminary. They are studied in their relation to such contemporary influences as Platonism and the Church and Puritanism and in especial to the sources and development of poetical style in the seventeenth century.

In 1916-17 Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

In 1918-19 Shelley and Byron will be studied in the seminary. Special attention is given to the phases of Romanticism shown in their work and to their relations to their contemporaries in England and on the Continent.

Dr. Chew conducts in each year the following graduate seminary:

Seminary in English Literature.

Three hours a week throughout the year.

In 1914-15 the subject of the seminary is English satire. After some consideration of mediæval satire the growth of the type is studied in the poetry of Lodge, Hall, Marston, Donne, Butler, Cleveland, Marvell, Oldham, Dryden, Pope, Swift, Churchill, Cowper, Gifford, Canning, and Byron. Certain related topics, such as the satiric element in the drama and pastoral, and in character writing, receive attention.

In 1915-16 the seminary will be devoted to the study of English literature during the latter half of the reign of Queen Victoria. The work and influence of the Pre-Raphaelites, Swinburne, Meredith, and Pater; the influence of Baudelaire and Verlaine; the "Celtic Revival;" the revival of the drama; and the "new mysticism" will be among the topics considered.

In 1916-17 the seminary will be devoted to certain problems connected with the eighteenth century novel. Special attention will be paid to the relation between the English and French novel and to the connection existing between the novel and the drama.

In 1917-18 Elizabethan Drama will be studied.

Dr. Hatcher conducts in 1914-15 the following graduate seminary:

Seminary in Elizabethan Literature.

Three hours a week throughout the year.

English drama from 1558 to 1642 is studied as the chief literary expression of the period. The conditions of its original and continued production, its nature, extent, variety, development and decadence are discussed and a reasonable proportion of the extant plays of the period read continuously as a background for other work. A brief introductory study is made of dramatic genres and of the broader principles of dramatic construction, and the remainder of the first semester is devoted to the examination of contemporary documents and other sources of information in regard to Elizabethan drama. In the latter half of the year each student investigates some special problem, such as dramatic inter-relationship or authorship, and gives reports upon her work.

Dr. Brown, Miss Donnelly, Dr. Chew, and Dr. Hatcher together conduct the journal club.

English Journal Club.

One and a half hours a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

The following advanced undergraduate courses may be attended by graduate students:

Miss Donnelly offers in 1917-18 the following course:

English Poets of the Romantic Movement.

Five hours a week during the second semester.

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, Keats, and Landor. Their works are discussed in class in connection with questions of poetics and literary theory and reports and essays are required from students attending the course.

Dr. Brown offers in 1915-16 and again in 1917-18 the following courses:

Anglo-Saxon Grammar and Reading and Beowulf.

Five hours a week during the first semester.

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Holthausen's or Schücking's text) and the first two-thirds of the poem is read with the class. This course was given in 1914-15 two hours a week throughout the year.

Middle English Poetry and Chaucer.

Five hours a week during the second semester.

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. The complete text of the *Owl and Nightingale*, *The Vox and Wolf*, and *Pearl* will be read, as well as selections from Langland's *Vision of Piers the Plowman* and other pieces. Lectures are given on the development of the language and literature during this period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time.

Dr. Brown offers in 1916-17 and again in 1918-19 the following courses:

Middle English Romances.

Five hours a week during the first semester.

Selected romances are read by the members of the class. The lectures deal with the development of Romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle. This course was given in 1914-15 two hours a week throughout the year.

Shakespeare.

Five hours a week during the second semester.

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work and his method in comedy, tragedy, and chronicle history. The plays usually chosen are: *Romeo and Juliet*, *Henry V*, *Othello*, *Hamlet*, and *Winter's Tale*. Some of the more general problems connected with these plays are discussed in introductory lectures.

Dr. Chew offers in each year the following courses:

English Critics of the Nineteenth Century.

Five hours a week during the first semester.

Carlyle, Newman, Ruskin, Arnold, Pater, and Swinburne are studied with regard to their theories of criticism and to their influence upon the thought of their time. Occasional short reports and one long paper in each semester must be prepared by all the students attending the course. The amount of required reading is large. In 1914-15 this course met three hours a week throughout the year.

English Drama.

Five hours a week during the first semester.

This course is intended to give students who have completed the required course in English a survey of the development of the early drama, a more intimate knowledge of the Elizabethan and Jacobean period, and an introduction to the later periods of the drama. Plays by Lyly, Greene, Marlowe, Shakespeare, Jonson, Middleton, Beaumont and Fletcher and Webster, and among later dramatists Dryden, Congreve, Steele, Sheridan and certain nineteenth century writers will be read. Short reports on special topics will be required. In 1914-15 this course was given three hours a week throughout the year.

Dr. Chew offers in 1915-16 and again in 1916-17 the following course:

English Poetry, 1850-1914.

Five hours a week during the second semester.

A review of the progress of poetry during the earlier years of the reign of Queen Victoria is followed by a more detailed study of the poets of the later period. Among the poets studied are Arnold, Clough, James Thomson, Rossetti, Morris, Swinburne, Meredith, Newman, Patmore, Francis Thompson, Henley, Kipling, Blunt, Watson, Yeats, and Masfield. Reports are assigned on special topics and one long paper in each semester must be prepared by each student attending the course. This course was given in 1914-15 two hours a week throughout the year.

The following course will be offered in 1915-16 and again in 1917-18:

English Fiction in the Nineteenth Century.

Five hours a week during the second semester.

Dr. Crandall offers in each year the following free elective courses:

Daily Themes.

Two hours a week during the first semester.

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class.

Narrative Writing.

Two hours a week during the second semester.

The style and methods of the best modern writers of short stories, both English and French, are treated in this course.

Dr. Shearer offers in each year the following free elective course:

Argumentation.

Two hours a week throughout the year.

In the first semester the technique of argumentation is studied. In the second semester the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition is established; if the class is sufficiently large part of the time is given to debate.

Dr. Langdon offers in each year the following free elective courses:

A Study of Poetics.

Two hours a week throughout the year.

The course consists of a study of poetics based upon various treatises and essays concerning the art of poetry.

Descriptive Writing.*Two hours a week during the first semester.*

In this course the principles of description are discussed, and papers are written and criticised in the light of these principles.

Mr. King offers in each year the following course in English Diction for graduate students:

General Course in Articulation and Voice Production.*One half hour a week throughout the year.*

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

Mr. King offers in 1914-15 and again in 1916-17 the following free elective course in English Diction:

General Reading of Prose Authors.*One hour a week throughout the year.*

This course is open only to those students who have attended the required course in English diction or who have done equivalent work.

Mr. King offers in 1915-16 and again in 1917-18 the following free elective courses in English Diction:

Reading of Shakespeare.*One hour a week throughout the year.*

This course is open only to those students who have taken the required course in English diction. A special study is made of the principles of correct delivery of blank verse. The needs of those students who intend to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, Dr. Agathe Lasch, Associate Professor of Teutonic Philology, and Miss Mary Jeffers, Reader in Elementary German.

GRADUATE COURSES.

The graduate courses offered in German philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Teutonic Philology as an associated minor and students who offer Teutonic Philology as a major subject must offer German literature as an associated minor. In the major

together with the associated minor the student must offer two seminaries and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Dr. Jessen conducts in each year the following graduate seminary:

Seminary in German Literature.

Two hours a week throughout the year.

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1914-15 Goethe is the subject of study in the seminary.

In 1915-16 Friedrich Nietzsche and Herman Grimm will form the basis of the work of the seminary.

In 1916-17 the Romanticism of early modern German literature will be studied in the seminary.

Dr. Jessen offers in 1914-15 and again in 1916-17 the following graduate courses:

German Metrics.

One hour a week during the first semester.

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics.

One hour a week during the second semester.

Lectures are given on *Deutsche Poetik* and *Stilistik*.

Dr. Jessen offers in 1915-16 and again in 1917-18 the following graduate courses:

German Literary Criticism.

One hour a week during the first semester.

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative, and French and English literary criticisms are also considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are specially studied. The course is open to those students only who have a reading knowledge of French and German.

The German Essay.

One hour a week during the second semester.

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Dr. Jessen offers in each year, if the time of the department permits, one of the following graduate courses:

Goethe's *Faust*.

Two hours a week throughout the year.

This course is intended to give a detailed introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Goethe's Life and Works.

Two hours a week throughout the year.

This course aims at giving an introduction into *Goethe-philologie*.

Dr. Jessen and Dr. Lasch conduct in each year the German Journal Club.

German Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. Jessen offers in 1914-15 and again in 1916-17 the following post-major courses, open to graduate students:

German Literature from 1850 to the present time.

Two hours a week during the first semester.

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, in particular of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the present time (continued).

Two hours a week during the second semester.

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Louise von François, Ricarda Huch, Helena Bohlau, Isolde Kurz, Clara Viebig and others; the significance of Nietzsche for German life and literature; neo-romanticism and *Heimatsdichtung*.

Dr. Jessen offers in 1915-16 and again in 1917-18 the following post-major courses, open to graduate students:

Lectures on the History of German Literature from the Romantic School till 1850.

Two hours a week during the first semester.

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century.

Two hours a week during the second semester.

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romanticists. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

Dr. Jessen offers in each year the following post-major course, open to graduate students:

Advanced Critical Reading.

One hour a week throughout the year.

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Dr. Lasch offers in each year the following post-major course open to graduate students:

Elementary Middle High German.

One hour a week throughout the year.

(Given in each year when the time of the department permits.)

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. Paul's *Mittelhochdeutsche Grammatik* (8th edition, Halle, 1911) and Hartmann von Aue's *Der arme Heinrich* are used.

Dr. Lasch offers in each year the following elective course, open to graduate students:

Advanced German Composition.

One hour a week throughout the year.

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch, Associate Professor of Teutonic Philology.

Special attention is called to the facilities for the study of comparative teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of teutonic philology, Gothic and Middle High German grammar, are designed for students in their first year of graduate study in Teutonic languages, and the remaining courses for students in their second or third year.

Students intending to elect teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Dr. Lasch offers in each year the following graduate seminary:

Teutonic Seminary.

Two hours a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1914-15 the subjects of the seminary are taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it are discussed.

In 1915-16 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* will be studied. The many problems that these texts offer and the various attempts to solve them will be discussed.

In 1916-17 the first semester will be devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. In the second semester Old Saxon texts (*Heliand* and *Genesis*) will be studied.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Dr. Lasch offers in each year the following graduate courses:

Introduction to the Study of Teutonic Philology.

One hour a week throughout the year.

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Teutonic languages and chiefly of the West Germanic branch.

Gothic.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts.

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (8th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make Teutonic philology a minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Middle Low German.

One hour a week throughout the year.

A sufficient knowledge of Old Saxon is presupposed on the part of students taking this course. The Middle Low German grammar will be studied and representative Middle Low German texts are read. This course may be substituted for the course in Middle High German in accordance with the requirements of the students in any particular year.

Old Norse.

Two hours a week throughout the year.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913) and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's *Edda* (3d ed., Paderborn, 1913).

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

Dr. Lasch offers in 1914-15 and again in 1916-17 the following graduate courses:

Old Saxon.

Two hours a week during the second semester.

The work presupposes on the part the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée's *Altsächsische Grammatik* (2nd ed., Halle, 1910), *Heliand* (Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

History of Modern High German.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

Dr. Lasch offers in 1915-16 and again in 1917-18 the following graduate courses:

Old High German.

Two hours a week throughout the year.

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Comparative Teutonic Grammar.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to

compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

In addition to the above courses, others in Old Frisian, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Jean Baptiste Beck, Associate Professor of Mediæval French Literature; Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian, Dr. Eunice Morgan Schenck, Associate in French; Dr. Pierre François Giroud, Non-resident Lecturer in French, and an Instructor in French to be appointed.

GRADUATE COURSES.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses covering the field of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centers around one main topic to be studied as a part of the history of French literature in its various relations to general literature and civilization of the period concerned. Students may enter the seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on theses assigned them at the beginning of each semester.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminaries and a journal club for three years.

Dr. Beck conducts in each year the following graduate seminary:

Seminary in Mediæval French Literature.

Three hours a week throughout the year.

The work expected of graduate students in the seminary of Mediæval French Literature consists of a palæographical analysis of the original manuscripts, a cursory inter-

pretation of the texts, a review of the opinions expressed by the respective specialists on each subject and a critical discussion of the comparative value of the work in question. These reports are intended to train graduate students in literary research. The courses in other Romance Languages (Italian and Spanish) and also those in Middle English are recommended to students in Mediæval French Literature. During her first year of work in this seminary each student is required to take also the course in Old French Philology, unless she has already taken a corresponding course.

In 1914-15 the subject of the seminary in Mediæval French Literature is the Origin of French Literature, from the earliest documents to the twelfth century. The literary products of this period are read and interpreted from photographic reproductions of the original manuscripts. The main emphasis is laid upon the development of Mediæval Literature from the previous Middle Latin Literature, to show the interrelations between Literature written in the various languages and dialects, both Romanic and Germanic, and the religious literature, and to illustrate the international character of literature during that period. The origin of Mediæval Lyric Poetry is derived from the Tropes and Sequences of St. Martial de Limoges and of St. Gall, the Epic Poetry from the Lives of Saints and the Dramatic Literature from the Liturgy of the Church. The absolute unity of Mediæval Art in the conception of the authors and artists of the Romanesque and Gothic periods will be illustrated by the mutual connections between the various literary genres and the different branches of Fine Arts, such as Architecture, Sculpture, Painting and Music.

In 1915-16 Lyric Poetry during the Middle Ages will be synthetically studied. Beginning with the hymns and anthems of the Church, the formation of the various types of vernacular, lyric poetry in France will be investigated. The Art of the Troubadours and Trouvères will be compared with the songs of the so-called Goliards (*Carmina Burana*), with those of the Sicilian poets and of the Minnesinger, in order to establish to what extent French Poetry has influenced them, both as to form and as to thought. The predominant musical character of lyric poetry throughout the Middle Ages; three periods, from the artistic monopoly of the Clerics to the Nobility, then to the aristocratic Bourgeoisie and finally to the People. The *Ars Nova* and the influence of fourteenth century Italian poetry upon the French Chanson of the Fifteenth century.

In 1916-17 the Evolution of Epic and Dramatic Literature, from the twelfth to the sixteenth century, will be studied in the seminary. The development of actual stage drama from the primæval liturgical ceremonies. These and the epic parts of Scripture gave birth to the Mystères. The dramatic elements contained in Mediæval Lyrics, such as the Aubes, Pastourelles, Jeux-Partis and in the dialogue forms of certain types, such as the Chansons à danse. The primitive Opera comique, a combination of Lyrics and Epics: Aucassin et Nicolette, Robin et Marion, le Jeu de St. Nicolas, etc.

Dr. Beck offers in 1914-15 and again in 1916-17 the following graduate course in Metrics open to students of Mediæval Literature:

The Influence of Mediæval Latin Poetry upon Romance and Teutonic Versification.

One hour a week throughout the year.

The linguistic difference between Classical and Low Latin explains the change from quantitative to qualitative prosody. The fundamental difference between the rhythmical nature of Teutonic and Romance Languages explains the dissimilarity in their respective versification. The origin of Rime and of Isosyllabism in French.

Students who take this course, are supposed to be familiar with Classical and Mediæval Literature.

The following graduate seminary will be offered in each year by an instructor whose appointment will be announced later.

Seminary in French Literature.

Three hours a week throughout the year.

In 1915-16 the subject of the seminary will be Romanticism and Realism in the 19th century as illustrated by Chateaubriand, Sénancourt, Benjamin Constant, De Maistre, Lamennais, Fourier, Saint-Simon, and others; Romanticism of Victor Hugo; a careful study of *Les Misérables*; philosophical and historical realism (Renan, Taine).

In 1916-17 the subject of the seminary will be Molière. The subjects studied are French Comedy before Molière; Molière's comedies, their Latin, Italian, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality.

In 1917-18 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch are discussed. A special study is made of Montaigne's style and of the *Apologie de Raymond de Sebonde*.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Dr. Schenck offers in 1915-16 the following graduate course:

The Romanticism and Realism of Flaubert.

One hour a week throughout the year.

The introductory lectures deal with the decline of romanticism and the rise of realism in France. A careful study is made of Flaubert's method based on the two versions of the *Tentation de Saint Antoine*, the *Correspondance*, etc. The investigations of René Descharmes, René Dumesnil and others are examined.

Dr. Holbrook offers in 1914-15 the following graduate courses:

Old French Philology.

Three hours a week throughout the year.

This course consists of lectures on the phonology, morphology, and syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar are studied in the *Extraits de la Chanson de Roland*, published by Gaston Paris, and in various texts in L. Constans's *Chrestomathie*.

Old French Readings.

Two hours a week throughout the year.

Various typical Old French masterpieces are studied from a scientific standpoint. The essential facts of Old French grammar are reviewed and rare or difficult locations are minutely examined for the sake of precise interpretation; dialectal features are considered and attention is given to the relation of manuscripts to printed texts.

In 1914-15 the course is devoted chiefly to *Maître Pierre Pathelin* and to Villon.

Dr. Beck offers in 1915-16 and in each succeeding year the following graduate courses in Old French Philology:

Introduction to Old French Philology. *Two hours a week throughout the year.*

The course in Old French Philology is designed to be a linguistic complement to the Seminary in Mediæval French Literature and must be taken by every member of this seminary during her first year. It is also required of all students who choose French as a minor subject in the examination for the degree of Doctor of Philosophy and recommended to students from other Modern Language departments who wish to acquire a reading knowledge of Old French and an outline of Mediæval French literature. The first semester is devoted chiefly to historical grammar of the Romance Languages, especially of Old French and Old Provençal. During the second semester selections from the most typical genres are read in the order of their evolution, so as to give the students an adequate idea of the origin and a summary idea of the development of Old French Literature.

ture. The students are also made acquainted with Mediæval Palæography and other auxiliary disciplines. Experimentation with philological methods prepares the students to do research work.

Students of Old French should be provided with E. Monaci's *Facsimili di documenti per la storia delle lingue e delle letterature Romanze*, W. Foerster's *Altfranzösisches Uebungsbuch* and K. Bartsch's *Chrestomathie de l'Ancien Français*, 11th edition.

Advanced Old French Philology.

One hour a week throughout the year.

The influence of Mediæval Latin upon the formation of the Old French literary language. After an introduction to Mediæval Latin philology, the linguistic value of mediæval grammars, glosses, commentaries and interlinear translations is examined.

Dr. DeHaan, Dr. Holbrook, Dr. Beck, and Dr. Schenck together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

POST-MAJOR COURSES.

Dr. Beck offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

Rabelais and the Satire in French Literature.

Three hours a week throughout the year.

This course gives first a general survey of satiric literature in France from the earliest time to the Renaissance. The "*serventes*" is the representative of personal, political and religious satire. The *fabliaux* and *contes* represent the popular social satire. Caricature and satire in mediæval art; the predecessors of Rabelais: Rustebuef, Coquillart and Villon; Rabelais as a man, as a humanist and as a satirical philosopher; his literary technique; his influence upon French and English writers.

Dr. Beck offers in 1917-18 the following post-major course, open to graduate students:

Molière and the French Comedy.

Three hours a week throughout the year.

After a study of the comic elements in Mediæval epic and dramatic literature, the nature of Molière's "comique" is analyzed and compared with that of his predecessors. Molière's influence upon French and foreign comedy as a psychologist and as a playwright is discussed.

Dr. Schenck offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

French Lyric Poetry of the Nineteenth Century.

Two hours a week throughout the year.

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866. Lamartine, Hugo, Sainte-Beuve, Vigny, and Musset are studied only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, Banville, Leconte de Lisle, Sully Prudhomme, Coppée, Mendès, etc. The lectures of the second semester treat lyric poetry from 1866 to the present day. A careful study is made of the Parnassian school. Throughout the course the lectures are supplemented by the critical reading of texts.

Dr. Schenck offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

The Short Story (*Nouvelle*) in the Nineteenth Century.

Two hours a week throughout the year.

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

Dr. Schenck offers in each year the following elective course, open to graduate students:

French Phonetics.

One hour a week throughout the year.

The lectures of the first semester deal with the principles of French phonetics and their application to the difficulties of English speaking students. Special attention is paid to any faults in the pronunciation of the students taking the course and corrective exercises are assigned. The work of the second semester is on methods of French oral teaching. Students are required to give oral reports and specimen lessons.

Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of French Philology and Italian.

GRADUATE COURSES.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French Philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Dr. Holbrook offers in each year the following graduate seminary:

Italian Seminary.

Two hours a week throughout the year.

This seminary presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Dr. DeHaan, Dr. Holbrook, Dr. Beck and Dr. Schenck together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

Dr. Holbrook offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Modern Italian.

Five hours a week throughout the year.

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books used are the following: C. H. Grandgent's *Italian Grammar*; Stories by Fogazzaro and Hecker's *Il Piccolo Italiano*; Guisepppe Finzi's *Petrarca* (1900); De Marchi's *Storie*; selections from the verse and prose of Renato Fucini and others.

SECOND YEAR.

Italian Classical Literature.

Five hours a week throughout the year.

The work in this course is to study selections in verse and prose from Ariosto and Tasso, then all the *Inferno* and parts of the *Purgatorio* and *Paradiso*. For Ariosto and Tasso the study of difficult modern prose and poetry may be substituted, with exercises in writing and speaking. Training in pronunciation will be given throughout the course. The lectures on literature are delivered in Italian.

Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

GRADUATE COURSES.

The graduate seminary in Spanish is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French Philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Dr. DeHaan conducts in each year the following graduate seminary:

Seminary in Spanish.

Three hours a week throughout the year.

Spanish language and literature before 1600 is the subject of the seminary. The work of the seminary consists of a close study of texts from the point of view of grammatical structure, syntax, derivation, and style. Different texts are chosen in different years.

Dr. DeHaan offers in each year the following graduate courses:

Spanish Philology.

One hour a week throughout the year.

Old Spanish Readings.

One hour a week throughout the year.

Dr. DeHaan, Dr. Holbrook, Dr. Beck and Dr. Schenck together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

POST-MAJOR COURSES.

Dr. DeHaan offers in each year the following post-major course, open to graduate students:

Spanish.

Two hours a week throughout the year.

This course in composition and conversation is offered to those students who have completed the second-year course or its equivalent.

Dr. DeHaan offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Spanish.

Five hours a week throughout the year.

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): DeHaan's *Cuentos Modernos*; Pérez Nieva, *Tomás el torrero* (Madrid, *Colección Klong*); De Haan's *Selected Works of G. A. Béquer*; Hartzenbusch, *Los Amantes de Teruel* (*Obras*, vol. III.); Zorilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José*; Galdós, *Marianela*.

SECOND YEAR.

Lectures in Spanish on Spanish Literary History of the Nineteenth Century.

Two hours a week throughout the year.

Spanish Composition.

One hour a week throughout the year.

Critical Reading in Spanish.

Two hours a week throughout the year.

Private reading: Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

Comparative Literature.

The instruction in this department is under the direction of Dr. Orie Latham Hatcher, Associate Professor of Comparative Literature and Elizabethan Literature.

GRADUATE COURSES.

Dr. Hatcher conducts in 1914-15 the following graduate seminary:

Seminary in Comparative Literature. *Two hours a week throughout the year.*

In 1914-15 the subject of the seminary is literary criticism in the late Renaissance. The beginnings of modern literary criticism of the more formal sort are sought in Italy,

France and England in the sixteenth century. Late Renaissance theories as to the function of poetry, the nature of the epic, of tragedy, comedy, etc., are examined, as also the conflict of classicism and romanticism, etc. Each student is assigned a topic for original investigation.

For graduate work in comparative literature in 1915-16 see p. 82. In and after this year comparative literature will be combined with the work of the department of English.

The following undergraduate courses may be attended by graduate students:

Dr. Hatcher offers in 1914-15 the following courses:

Elizabethan Lyrics in the light of their Origins.

Three hours a week throughout the year.

The object of the course is two-fold: to acquaint the student with the body of Elizabethan lyric poetry and to show the variety of its native and foreign origins. The lectures and a part of the reading discuss the development on the continent of lyric themes and forms which later prevailed in Elizabethan England. A reading knowledge of French is required.

Renaissance Pastorals.

Three hours a week throughout the year.

The persistence and significance of the pastoral tradition in literature is examined and recognition is given to the large debt of moderns to the classical pastoralists, but the course is designed as a study of the pastoral vogue in the later Renaissance as expressed in its several forms. A reading knowledge of Latin and of French is required.

Forms of the Drama.

Two hours a week throughout the year.

The course does not attempt a historical survey of the development of drama as literature, but an inquiry into the essence of drama as such, the nature of its appeal, and its more striking forms,—as comedy, tragedy, melodrama, etc. The plays read are chosen as being illuminating in connection with this inquiry. Students electing the course are expected to do a considerable amount of reading in either French or German and a small amount in the other of these two languages. The minor Latin course in Terence and the major course in Roman Comedy offer valuable preliminary work for this course.

Semitic Languages and Biblical Literature.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired

in 1904. Mr. Albert J. Edmunds presented to the college in 1907 his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

GRADUATE COURSES.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyriology as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least six hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

Dr. Barton offers in 1914-15 and again in 1916-17 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew, one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Seminary in Aramaic and Arabic.

Two hours a week throughout the year.

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected; a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Comparative Semitic Grammar.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages.

Ethiopic.

One hour a week throughout the year.

The grammar and *Chrestomathia* of Praetorius and Dillmann are used and in the latter part of the course selections are read from the book of Enoch.

Hebrew Literature.

One hour a week throughout the year.

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Seminary in Oriental Archæology.

One hour a week throughout the year.

The work of this course may be devoted to the archæology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archæological objects, of reports, criticisms, conferences, and occasional lectures. To meet the needs of students of Ancient history, the Seminary may in some years be devoted to the history of one of the countries mentioned. The work will then consist in a study of the sources of the history of the country chosen, and the proper method of using them.

Dr. Barton offers in 1915-16 and again in 1917-18 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

The work of the seminary is continued as given in 1914-15.

Hebrew, The Prophets.

One hour a week throughout the year.

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

Elementary Semitic Languages.

Two hours a week throughout the year.

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Seminary in New Testament Greek.

One hour a week throughout the year.

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline.

Egyptian.

One hour a week throughout the year.

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

FREE ELECTIVE COURSES.

The courses in Biblical Literature and Oriental History are intended primarily for undergraduate students, but may be elected by graduate students also.

Dr. Barton offers in 1914-15 and again in 1916-17 the following free elective courses in Biblical literature:

New Testament Biography.

Two hours a week throughout the year.

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of the Old Testament Canon.

One hour a week throughout the year.

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and reading is assigned in the Old Testament and in modern literature concerning it.

Dr. Barton offers in 1915-16 and again in 1917-18 the following free elective courses in Biblical literature:

History of Christian Doctrine.

Two hours a week throughout the year.

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A.D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the New Testament Canon.

One hour a week throughout the year.

This course consists of a study of the New Testament, similar in its methods and aims to the course on the Old Testament Canon.

Dr. Barton offers in each year the following course:

Oriental History.

Three hours a week throughout the year.

This course treats in broad outlines the history and civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal Oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

History.

The instruction in this department is under the direction of Mr. Clarence H. Haring, Associate in History, Dr. William Roy Smith, Professor of History, Dr. James Miller Leake, Lecturer in History, Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Dr. James Fulton Ferguson, Associate in Latin and Ancient History.

GRADUATE COURSES.

Three distinct seminaries, one in English and European history, one in American history and one in Ancient history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

The following graduate seminary is offered in each year and conducted by Mr. Haring in 1914-15:

Seminary in English and European History.

Three hours a week throughout the year.

In 1914-15 the subjects of the seminary are the economic relations of Spain with Europe and America in the sixteenth century, the creation of the Spanish system of commercial monopoly centered at Seville, the evolution of the scheme of annual treasure fleets to Vera Cruz and Nombre de Dios, the growth of Spanish-American trade and the share in that trade acquired by the northern maritime nations, and the influence of the importation of bullion from Mexico and Peru upon prices in Spain and the rest of Europe.

In 1915-16 the subject of the seminary will be England under the early Stuarts. The work is concerned especially with foreign policy and the organisation and expansion of foreign trade.

In 1916-17 the seminary will deal with social and economic problems in the history of England under the Tudors. The growth of capital and its effect on commercial and industrial practice, enclosures and the decay of agriculture, the rise in prices, foreign commercial policy and the evolution of the merchant companies are among the topics for discussion.

Dr. William R. Smith conducts in each year the following graduate seminary:

Seminary in American History.

Two hours a week throughout the year.

In 1914-15 the subject of the seminary is slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1915-16 the American colonies in the seventeenth and eighteenth centuries will be the subjects of the seminary. The political, constitutional, and social problems of the colonies in the seventeenth century will be studied in the first semester. In the second semester special stress will be laid upon the development in the eighteenth century of the imperial administrative machinery and upon the ethnical distribution of population in the colonies.

In 1916-17 the Revolution, the Confederation and the Constitution will be the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Method and Bibliography.

Dr. Ferguson conducts in each year the following graduate seminary:

Seminary in Ancient History.

Two hours a week throughout the year.

In 1914-15 the Hellenistic Age is the subject of the seminary. The development of the Hellenistic world is traced from the formation of permanent states down to the conquest of the east by Rome. Special emphasis is given to the intellectual awakening, the formation of Greek leagues, commercial activity, and the effect of the contact of the Greek and Roman worlds.

In 1915-16 the Early Empire, its political, economic, and religious problems will be the subjects of study. The work of the first semester will be concerned with the reign of Augustus, and with a careful criticism of the estimate of Augustus by Ferrero. In the second semester the period will be treated more by topics than by individual reigns. Such topics as deification of emperors, religious persecutions, extension of citizenship, cabinet government, decline of senatorial power, trade and trade policy will be investigated.

In 1916-17 the Later Roman Empire will be studied. The founding of absolutism and its effects, economic depression, serfdom, religious controversies, and the relations between church and state, will be among the topics for discussion.

Dr. Leake offers in each year the following graduate course:

Historical Method and Bibliography.

One hour a week throughout the year.

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. Throughout the course practical studies will be assigned to illustrate the subjects under discussion. A reading knowledge of French and German is required. This course must be elected by all students who offer the seminary in American History for the degree of Doctor of Philosophy.

Mr. Haring, Dr. William Roy Smith and Dr. Leake conduct in each year the historical journal club.

Historical Journal Club.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

POST-MAJOR COURSES.

Mr. Haring offers in 1914-15 the following post-major course, open to graduate students:

England under the Tudors.

Two hours once a fortnight throughout the year.

The principal aspects of the narrative and constitutional history of England under the Tudors are studied in some detail. Use is made of general histories but the work of the students is, as far as possible, done from State papers, published correspondence, etc. The course is conducted by lectures, discussions and oral reports from members of the class.

An instructor in history whose appointment will be announced later will offer in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

England under the Stuarts.

Two hours a week throughout the year.

This course is conducted on the same general plan as the preceding course.

Dr. William Roy Smith offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

American Constitutional History from 1783 to 1865.

Three hours a week throughout the year.

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-book used is MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

Dr. William Roy Smith offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

American Constitutional History to 1783.

Three hours a week throughout the year.

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

Dr. Leake offers in 1914-15 the following post-major course, open to graduate students:

England since 1714.

Two hours a week throughout the year.

This course is conducted by means of lectures, assigned readings, and written reports. Its purpose is rather to explain than to narrate. Therefore the treatment is topical as well as chronological, emphasis being laid upon those political, social, and constitutional changes which have made modern England. Among the topics discussed are the rise and fall of the Whig oligarchy, the evolution of the cabinet system, the rise of Methodism, the American Revolution as a constitutional question, England and the French Revolution, the industrial revolution, parliamentary reform, England and the Monroe doctrine, the repeal of the corn laws, Home Rule, and present-day Liberalism.

Dr. Ferguson offers in 1914-15 the following post-major course, open to graduate students:

The Hellenistic Age.

Two hours a week throughout the year.

This course consists of a study of the Greek world from Alexander to its conquest by Rome; special emphasis will be placed on commercial expansion, growth of national tendencies, intellectual awakening, and the effect on the Roman world. Independent investigation of particular topics will be required.

Dr. Ferguson offers in 1917-18 the following post-major course, open to graduate students:

The Roman Empire in the Third and Fourth Centuries.

Two hours a week throughout the year.

In this course a study is made of the forces which led to the fall of the Western Empire. Economic decay, the caste system, religion, the growth of absolutism, are subjects which will be specially studied. Independent investigation of particular topics will be required.

Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Associate Professor of Economics and Politics, Dr. Charles Ghequiere Fenwick, Lecturer in Political Science, Mr. Frederick Archibald Dewey, Lecturer in Economics and Sociology, and Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor (elect) of Social Economy and Director of the Carola Woerishoffer Department of Social Research.

GRADUATE COURSES.

Three seminars, one in economics, one in political science, and one in social economy are offered each year in addition to the direction of private reading and original research. An advanced course in statistics is also given. Post-major courses amounting to seven hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Marion Parris Smith offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

In 1914-15 Economic Theory in England and America in the nineteenth century with special attention to the ideas of free trade and protection is the subject of the seminary.

In 1915-16 Currency and Banking Systems of the United States will be the subject of the seminary.

In 1916-17 Problems of Distribution and the agencies in modern social life that effect the distribution of wealth will be studied. Special attention will be paid to the study of the minimum wage, the various plans for controlling large scale production, modern land systems, etc.

Dr. Fenwick offers in each year the following graduate seminary:

Political Seminary.

Three hours a week throughout the year.

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1914-15 a comparative study is made of the governments of the United States, Great Britain, France, and Germany as a basis for an investigation of certain present day problems of government in each of these countries. The seminary deals first with the constitutions of the several countries, then the legislative, executive and judicial departments in turn, and closes with a study of the governmental problems peculiar to each state.

In 1915-16 Constitutional Questions involved in Modern Economic and Social Problems is the subject of the seminary. The chief economic and social problems in the United

States will be studied from the point of view of the restrictions placed by the constitution upon the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the functions of the state and the proper sphere of its activity will be discussed.

In 1916-17 Constitutional Law of the United States will be the subject of the seminary.

Dr. Kingsbury will offer in each year the following graduate seminary:

Seminary in Social Economy.

Three hours a week throughout the year.

A description of this seminary will be found on page 110.

Mr. Dewey offers in 1914-15 the following graduate course:

Statistical Sociology.

One hour a week throughout the year.

This course deals with statistical methods of studying social phenomena.

Dr. Marion Parris Smith, Dr. Fenwick, Mr. Dewey and Dr. Kingsbury conduct in each year the economic journal club.

Economic Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. Marion Parris Smith offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

American Social Problems.

Two hours a week throughout the year.

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban population; the development of city life; the problems of country life; immigration, the race problem; recent developments in education, the care of defectives, and poor relief. Special topics are assigned to students for reports and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

Economic and Social Legislation in England and America since 1890.

Three hours a week throughout the year.

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed, as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

Dr. Fenwick offers in 1914-15 and again in 1915-16 the following post-major course, open to graduate students:

International Law.

Two hours a week throughout the year.

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the rules relating to war and neutrality at the present time, greater attention is paid to these than to the laws prevailing between nations at peace. This course met three hours a week throughout the year in 1914-15.

Dr. Fenwick offers in 1916-17 the following post-major course, open to graduate students:

Constitutional Law of the United States.

Three hours a week throughout the year.

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

Mr. Dewey offers in 1914-15 the following post-major course, open to graduate students:

Elements of Statistics.

Three hours a week throughout the year.

Proper methods of obtaining and handling statistics, such as vital, health, trade statistics, working men's budgets, etc., are developed. The course first treats of the various methods of obtaining statistics. Tabulation, representation through averages, the mode, etc., are then discussed and also pictograms. Simple methods of analysing the data and treating them mathematically are described and an actual investigation is then undertaken by the students. The course consists of two lectures and two and a half hours of laboratory work each week.

Dr. Kingsbury offers in 1915-16 and in each succeeding year the following post-major courses, open to graduate students:

Elements of Social Statistics and Methods of Social Research.

Two hours a week during the first semester.

The object of the course is to acquaint the student with the sources of social statistical information and methods of securing, analysing, interpreting, and presenting social data. Preparation of various types of schedules, tabulation of information secured, the proper use of the several kinds of averages (mean, median and mode), of skewness and of correlation and of graphics are among the subjects presented. The course concludes with a critical study of the methods used in social economic investigations and reports by federal and state departments and by private organizations. The course in graphic mathematics must be taken in connection with this course.

Organized Effort for Social Betterment.

Two hours a week during the second semester.

A brief survey of the origin, growth, and present methods of the most important social service and social welfare organizations will be presented in order to acquaint the student with the lines of activity open to social workers, (1) in social education, through settlements, civic centres or other neighborhood organizations; (2) in improvements of industrial conditions, through associations for labor legislation, labor organizations, or consumers' efforts; (3) in vocational counselling, through vocational advising, through placement, or through adjustment of employment; (4) in child welfare, through societies for care and protection of children; (5) in social relief, through organizations for the reduction and prevention of poverty; (6) in social correction, through the probation work in the juvenile courts or corrective institutions; or (7) in social investigation and research.

Dr. Fenwick offers in each year the following free elective course, open to graduate students:

Elements of Private Law.

One hour a week throughout the year.

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of Procedure. The lectures are supplemented by a study and discussion of judicial decisions bearing on the subject. The class met in 1914-15 two hours a week during the second semester.

Social Economy and Social Research.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research.

This department will be opened in the autumn of 1915 and will be known as the Carola Woerishoffer Graduate Department of Social Economy and Social Research in order to associate in a fitting and lasting way with Bryn Mawr College to whose endowment she so generously contributed the name of Carola Woerishoffer. The department will afford women an opportunity of obtaining advanced scientific training in philanthropy and social service to which Carola Woerishoffer devoted her life.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor (elect) of Social Economy and Director of the Carola Woerishoffer Department of Social Research, with the co-operation of the following members of allied departments: Dr. Marion Parris Smith, Associate Professor of Economics; Dr. Charles Ghequiere Fenwick, Associate Professor (elect) of Political Science; Dr. James H. Leuba, Professor of Psychology and Education; Dr. Gertrude Rand, Associate in Experimental and Educational Psychology; Dr. Kate Gordon, Associate Professor of Educa-

tion; Dr. Charlotte Angas Scott, Professor of Mathematics; Dr. David Hilt Tennent, Professor of Biology.

The courses in Social Economy and Social Research are intended for graduate students only. No undergraduate students are admitted although graduate students in the department in addition to the undergraduate courses in economics and political science may elect subject to the approval of the Director undergraduate courses in other subjects.

The courses are planned for one, two, and three years, on the principle that about two-thirds of the student's time shall be given to the study of theory and statistics and the remaining one-third to practical investigation and work in her chosen field. One half year may be spent in residence in a social service institution or in connection with a social welfare organization in Philadelphia, or New York, or elsewhere during which time the practical work and special reading and research will be supervised by the Director of the department and the Head of the institution or organization.

The degree of Doctor of Philosophy in Social Economy and Social Research is open to graduates of all colleges of high standing under the conditions prescribed for this degree in Bryn Mawr College, the preliminary preparation required being equivalent to the courses outlined in the group of economics and political science.

Graduate students who have completed the above preliminary work in Economics and Political Science, or its equivalent, who are able to study for two years only will receive a diploma certifying to the work they have taken in the Graduate Department of Social Economy and Social Research.

Graduates of colleges other than Bryn Mawr College with the preparation specified above who are able to study for one year only will receive diplomas certifying to the work they have taken which will in many cases be accepted for the master's degree in the colleges and universities from which they have received their bachelor's degree. Graduates of Bryn Mawr College may receive the degree of Master of Arts in Social Economy and Social Research under the conditions prescribed for this degree.

Candidates for the degree of Doctor of Philosophy in Social Economy and Social Research may select an associated or

independent minor from the following seminaries and graduate courses and from other graduate seminaries or courses, subject to the approval of the Graduate Committee. The practicum through which training and experience may be obtained under a social service institution or in connection with a social service organization will be counted as an associated minor.

Ten hours a week of seminary work, eight hours of graduate lectures, and seventeen and a half hours of advanced undergraduate work are offered to graduate students in Social Economy and Social Research, accompanied by direction of investigation and research in special fields, and by supervision of the practicum in social service and welfare. The seminaries and courses are either repeated or given in rotation so that they may be entered in any year of the student's course or may be pursued through three consecutive years. The selection of courses will depend upon the field of social work which the student may choose. The seminary in Social Economy and Social Research, and, unless previously taken, a post-major course in Social Statistics and Methods of Social Research are required of all students of the department.

GRADUATE COURSES.

The following graduate courses may be elected subject to the approval of the Director of the Department by students working for the first and second year diplomas as well as by candidates for the degree of Doctor of Philosophy in Social Economy and Social Research.

Dr. Kingsbury will offer in each year the following graduate seminary:

Seminary in Social Economy and Social Research—Evolution of Organized Effort for Social Betterment. *Three hours a week throughout the year.*

The seminary will study selected social service institutions and social welfare organizations by means of special reports assigned to the students according to their chosen field of work, and will endeavor to trace the evolution of methods and principles which have originated these movements and guided their activities.

In addition research including field work in the conditions of employment and non-employment, rates of wages, social relations, vocational opportunities and demands, and other subjects will be required of research fellows and scholars and will be offered to every student, a group of students co-operating to produce a study which, it is hoped, may be a contribution to our knowledge of the social or industrial conditions investigated. This study may be carried on in connection with a practicum, i. e., practical investigation in a selected social service institution.

As the chief subjects of investigation will vary from year to year it will be possible for students to follow the work of the seminary for three consecutive years.

Dr. Marion Parris Smith offers the following graduate seminary, which is especially adapted to the students of the department of Social Economy and Social Research:

Economic Seminary.

Two hours a week throughout the year.

In 1916-17 the subject of the seminary will be Problems of Distribution. The agencies in modern life that effect the distribution of wealth will be studied. Special attention will be paid to the study of the minimum wage, of various plans for controlling large scale production, modern land systems, etc. For the subjects of Dr. Marion Parris Smith's seminary in 1915-16 and 1917-18, see page 105.

Dr. Fenwick offers in each year the following graduate seminary, which is especially adapted to the students of the department of Social Economy and Social Research:

Political Seminary.

Three hours a week throughout the year.

In 1915-16 the subject of the seminary will be Constitutional Questions involved in modern economic and social problems. The chief economic and social problems in the United States will be studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states in dealing with this subject. As an introduction the various theories relating to the functions of the state and the proper scope of its activity will be discussed. For the subjects of Dr. Fenwick's seminary in 1914-15 and 1916-17, see page 105.

Dr. Leuba offers in each year the following graduate seminary:

Psychological Seminary: Social Psychology.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling and emotion; attention, apperception, the will; the psychology of religion and of ethics; language, myths, customs; psychology of the beautiful; psychiatry and criminology; animal and child psychology.

Dr. Gordon conducts in 1915-16 and in each succeeding year the following graduate seminary:

Seminary in Educational Problems.

Two hours a week throughout the year.

This seminary is open to students who have completed the seminary in methods of teaching or have done equivalent work. The selection of subjects in this course varies from year to year. For 1915-16 a study of the methods for diagnosing intelligence will be taken up and an opportunity given for the student to assist at the giving of tests on school children. Other topics for study will be: advanced readings in the History of Education, School Hygiene, the principles underlying the curriculum

Dr. Leuba offers in 1915-16 and in each succeeding year the following graduate course:

The Psychology and Treatment of Deficient and Unusual Children.

Two hours a week throughout the year.

Dr. Rand offers in 1914-15 and in each succeeding year the following graduate course:

Mental Tests.

Two hours a week throughout the year.

Laboratory Work.*Four hours a week throughout the year.*

This course combines seminary, laboratory drill, and research features. In the seminary work the history, development, and purpose of mental tests will be treated, and a study made of the sensory and higher mental processes. The laboratory drill will consist of training in the application of tests (including the Binet-Simon series), and practise in diagnosing mental ability, using as subjects children from schools in the vicinity of Bryn Mawr and Philadelphia. The research work will consist of special problems in the devising and standardization of tests, and the formulation of methods designed to improve specific mental deficiencies. The course is open only to graduate students who have had training in experimental psychology.

Dr. Rand offers in 1915-16 and in each succeeding year the following graduate course:

Special Laboratory Problems in Mental Tests.*Four hours a week throughout the year.*

This course is offered in 1915-16 and every year in connection with the course in Mental Tests to students who wish to pursue advanced work.

Practicum in Social Work.*One-third of the student's time throughout the year.*

Practical work will be arranged for each student in connection with the social service institution or organization in her chosen field. The practical work and special reading and research assigned by the Director of the Department will be supervised by the Director in co-operation with the head of the institution or organization.

The following advanced undergraduate courses are offered to students in the department:

Dr. Kingsbury will offer in 1915-16 and in each succeeding year the following post-major course, open to graduate students:

Elements of Social Statistics and Methods of Social Research.*Two hours a week during the first semester.*

The object of the course is to acquaint the student with the sources of social statistical information and methods of securing, analysing, interpreting and presenting social data. Preparation of the various types of schedules, tabulation of information secured, and the proper use of the several kinds of averages (mean, median, mode), of skewness, of correlation and of graphics are among the subjects considered. The course concludes with a practical study of the methods used in social economic investigations and reports by federal and state departments and by private organizations. This course must be accompanied by the course in Graphic Mathematics.

Dr. Scott offers in 1915-16 the following free elective course:

Graphic Mathematics.*One hour a week throughout the year.*

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics and of social economy as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

Dr. Kingsbury will offer in 1915-16 and in each succeeding year the following post-major course, open to graduate students:

Organized Effort for Social Betterment.*Two hours a week during the second semester.*

A brief survey of the origin, growth, and present methods of the most important social service and social welfare organizations will be presented in order to acquaint the student with the lines of activity open to social workers; (1) in social education, through settlements, civic centres or other neighborhood organizations; (2) in improvements of industrial conditions, through associations for labor legislation, labor organizations, or consumers' efforts; (3) in vocational counselling, through vocational advising, through placement, or through adjustment of employment; (4) in child welfare, through societies for care and protection of children; (5) in social relief, through organizations for the reduction and prevention of poverty; (6) in social correction, through the probation work in the juvenile courts or corrective institutions; or (7) in social investigation and research.

Dr. Marion Parris Smith offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

Economic and Social Legislation in England and America since 1890.

Three hours a week throughout the year.

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed, as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in 1914-15 and again in 1916-17 the following post-major courses, open to graduate students:

American Social Problems.

Two hours a week throughout the year.

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made in the changes in rural and urban population; immigration, the race problem; the development of city life; the problems of country life; recent developments in education; the care of defectives, and poor relief; problems of food distribution, retail markets. Special topics are assigned to students for reports and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in each year the following major course, open to graduates students:

History of Economic Thought. *Five hours a week during the second semester.*

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under these conditions it may be taken as a free elective, and may be entered in the second semester.)

The object of this course is to give advanced students an historical introduction to modern economic thought as a basis for a critical study of modern economic problems. The successive changes in the theory of value and of distribution since the middle of the eighteenth century are studied with special reference, first, to the philosophical and speculative thought, and second, to the industrial institutions of the times.

The students will be expected to read critically portions of standard texts, including Adam Smith's *Wealth of Nations*; Ricardo's *Principles of Political Economy and Taxation*; Malthus's *Principles of Population*; Senior's *Political Economy*; J. S. Mill's *Principles of Political Economy*; Jevon's *Political Economy*; and selections from the writings of Marshall, Wicksteed, Boehm-Bawert, Wieser, J. B. Clark, Pantaleoni and others. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

Dr. Fenwick offers in each year the following major course, open to graduate students:

American Political Problems.

Five hours a week during the first semester.

The object of this course is to present the chief political problems which have arisen in recent years. The several branches of the federal and state governments are taken up one by one and such questions are discussed as: the influence of the Executive over Congress; the conflict between treaties and legislation; the relation of the administrative departments to Congress; Committee rule on Congress; the growth of judicial power and proposals for restricting it; the courts and social legislation; the initiative, referendum, and recall; Commission government in cities, etc. The course will be preceded by a brief study of modern theories relating to the end and object of the state, with the object of ascertaining the proper sphere of the activities of the state.

Dr. Fenwick offers in each year the following free elective course, open to graduate students:

Elements of Private Law.

One hour a week throughout the year.

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of Procedure. The lectures are supplemented by a study and discussion of judicial decisions bearing on the subject.

Dr. Gordon offers in each year the following major course, open to graduate students:

Educational Psychology.

Five hours a week during the second semester.

This course is intended not only for prospective teachers but for all students interested in psychology and in education. The problems of psychology which have a direct application to educational practice are considered theoretically and experimentally. Four hours a week of laboratory work is required from students taking the course. A knowledge of psychology equivalent to that obtained in the minor course is presupposed.

In addition to the above courses the following courses may be elected in accordance with the chosen field and subject to the approval of the Director of the Department:

Dr. Leuba offers in each year the following major course, open to graduate students:

Social Psychology: The Origin and the Nature of Magic, Religion, Ethics, Science and Art.

Five hours a week during the first semester.

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a crowd, a clique, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. The social institutions magic, religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

Dr. Tennent in offers each year the following free elective course:

Theoretical Biology.

One hour a week throughout the year.

This is a historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna,* Professor of Philosophy, Dr. Grace Mead Andrus de Laguna,† Associate in Philosophy, Dr. Donald Fisher, Associate in Philosophy, Mr. Albert Edwin Avey, Associate (elect) in Philosophy, Miss Marion Reilly, Dean of the College and Reader in Philosophy, and Dr. Emil Carl Wilm, Lecturer in Philosophy.

GRADUATE COURSES.

A seminary in ethics, and a seminary in metaphysics and logic are offered each year. The subjects of study are changed from year to year through a cycle of three years. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing Philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Theodore de Laguna conducts in each year the following graduate seminary:

Ethical Seminary.

Three hours a week throughout the year.

In 1915-16 Recent French ethics will be the subject of the seminary. Durkheim, Levy-Bruhl, Fouillée, Rauh, Belot, and Paulhan.

In 1916-17 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticised by Green, Sorley, Huxley, and Pringle-Pattison will be studied. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1917-18 Hume and his Contemporaries will be studied. A brief preliminary survey is made of the course of English ethical thought from Hobbes to Shaftesbury. This is followed by a more careful examination of selected writings of Mandeville, Butler, and Hutcheson, with a view to tracing their probable influence upon Hume. Finally, the prin-

* Granted leave of absence for the year 1914-15. The courses offered by Professor Theodore de Laguna are given by Dr. Wilm in 1914-15.

† Granted leave of absence for the year 1914-15. The courses offered by Dr. Grace de Laguna are omitted in 1914-15.

cial task of the year is a comparative study of the ethical doctrines of Hume's *Treatise on Human Nature* and *Enquiry into the Principles of Morals*, with incidental references to Hartley and Adam Smith.

Dr. Grace de Laguna conducts the following graduate seminary:

Metaphysical Seminary.

Two hours a week throughout the year.

In 1915-16 English empiricism will be the subject of the seminary. Special attention will be paid to its connections with associationism, and to the development of the theory of scientific method.

In 1917-18 Inductive and Genetic logic will be studied. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin are the basis of investigation.

Mr. Avey conducts in 1916-17 the following graduate seminary:

Metaphysical Seminary.

Two hours a week throughout the year.

In 1916-17 the Theory of Reality in connection with the philosophy of Royce and its development throughout his chief works will be the subject of the seminary.

Dr. Wilm conducts in 1914-15 the following graduate seminary:

Seminary in Philosophical Systems.

Three hours a week throughout the year.

The systems discussed are those of Hegel and Schopenhauer.

Dr. Fisher conducts in 1914-15 the following graduate seminary:

Seminary in Theory of Values.

Two hours a week throughout the year.

The concepts of value and valuation, and of their application in recent theories of ethics, aesthetics, and epistemology are studied. Use is made of the writings of Meinong, Urban, Münsterberg, Ehrenfels, Maier, and Rickert.

Mr. Avey offers in 1915-16 the following graduate course:

Logistic.

One hour a week throughout the year.

This course includes a study of the more general laws of thought under which the laws of the traditional logic stand as special instances.

Miss Reilly offers in each year the following graduate course:

Modern Problems in Logic.

Two hours a week throughout the year.

This course is conducted according to the seminary method.

Dr. Theodore de Laguna, Dr. Grace de Laguna, Dr. Fisher and Mr. Avey (elect) conduct in each year the philosophical journal club.

Philosophical Journal Club.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

The following advanced undergraduate courses may be attended by graduate students:

Dr. Theodore de Laguna offers in each year the following courses:

Modern Philosophical Classics and Philosophical Problems.

Five hours a week during the first semester.

The course begins with a discussion of selections from the principal writings of Bacon, Hobbes, Locke, Berkeley, Hume, Descartes, Spinoza, and Leibniz. Later the discussions in this course are devoted to problems concerning the nature of the soul, the relation between consciousness and behaviour, and the sources and limits of human knowledge. This course was given in 1914-15 by Dr. Wilm, three hours a week during the first semester and two hours a week during the second semester.

Philosophy in the Nineteenth Century with special emphasis on German Idealism, followed by lectures on Elementary Ethics.

Five hours a week during the second semester.

The course is introduced by a series of lectures upon the philosophy of Kant. The post-Kantian systems are then considered. This is followed by a critical and historical introduction to ethical science. Selections representative of the various ancient and modern schools are studied, and the semester concludes with a series of lectures upon recent theories of moral evolution. This course was given in 1914-15 by Dr. Wilm, two hours a week during the first semester and three hours a week during the second semester.

Mr. Avey offers in 1915-16 the following courses:

Recent Philosophical Theories.

Five hours a week during the second semester.

This course includes a discussion of such doctrines as pragmatism, idealism, neo-realism, etc. This course was given in 1914-15 by Dr. Fisher, three hours a week during the second semester.

History of Philosophy with special emphasis on Plato and Aristotle, Comte, Mill and Spencer.

Five hours a week during the first semester.

In connection with an outline of the history of philosophy study is made of the two principal Greek systems, based upon the reading (in translation) of selected dialogues and treatises. This course was given in 1914-15 by Dr. Fisher, three hours a week during the first semester.

Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba,* Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Kate Gordon, Associate Professor of Education, Dr. Gertrude Rand, Associate in Experimental and Educational Psychology, and Dr. Chester Elijah Kellogg, Lecturer in Psychology.

* Granted leave of absence for the year 1914-15. The courses offered by Professor Leuba are given by Dr. Kellogg in 1914-15.

GRADUATE COURSES.

Five hours of graduate lectures and seminary work are offered in each year in addition to the direction of private reading and original research. Ten hours a week of advanced undergraduate courses are also open to graduate students. The laboratories of experimental psychology are open for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

Dr. Leuba offers in each year the following graduate seminary:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: feeling and emotion; attention, apperception, the will; the psychology of religion and of ethics; language, myths, customs; psychology of the beautiful; psychiatry and criminology; animal and child psychology. In 1914-15 the seminary is conducted by Dr. Kellogg; the subject is mind and body, and this leads up to a discussion of the philosophical status of psychology.

Dr. Ferree offers in each year the following graduate seminary:

Seminary in Systematic Psychology.

Three hours a week throughout the year.

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics; sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Laboratory Work.

The laboratory work consists of individual practice and research.

Dr. Leuba, Dr. Ferree and Dr. Rand together conduct in each year the psychological journal club.

Psychological Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

The following advanced undergraduate courses may be attended by graduate students:

Dr. Leuba offers in each year the following courses:

Social Psychology: The Origin and the Nature of Magic, Religion, Ethics, Science and Art.

Five hours a week during the first semester.

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a crowd, a clique, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this

reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. The social institutions magic, religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development. In 1914-15 a course on applied psychology; industrial efficiency, psychotherapy, legal psychology, two hours a week throughout the year, is given by Dr. Kellogg in place of the course on social psychology by Dr. Leuba.

The Psychology of Instinct, Emotion, and the Will, and Animal Psychology. *Five hours a week during the second semester.*

Although the course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

Dr. Ferree and Dr. Rand offer in each year the following course:

Experimental Psychology. *Five hours a week during the first semester.*

Laboratory work. *Four hours a week during the first semester.*

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. The laboratory work consists of individual practise in selected topics.

Dr. Ferree offers in each year the following course:

Advanced Experimental Psychology. *Two hours a week throughout the year.*

This course consists of five hours laboratory work a week, the students being assigned problems to investigate.

Dr. Gordon offers in each year the following course:

Educational Psychology. *Five hours a week during the second semester.*

Laboratory work. *Four hours a week throughout the second semester.*

This course is intended not only for prospective teachers but for all students interested in psychology and in education. The problems of psychology which have a direct application to educational practise are considered theoretically and experimentally.

Education.

This Department is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.

The instruction in Education is under the direction of Dr. Kate Gordon, Associate Professor of Education, Dr. Matilde Castro, Associate Professor of Education and Director of the Phebe Anna Thorne Model School, Professor James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the

Psychological Laboratory, and Dr. Gertrude Rand, Associate in Experimental and Educational Psychology.

The work of the Department of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges receive diplomas certifying to the work that they have taken in the Graduate Department of Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne Model School.

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted at ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven years' high school course based on the soundest available theory and practice of teaching to be found in this country or abroad. Wherever a new method of teaching a high school subject is known to have succeeded it

will be studied and introduced into the model school and the results on the pupils of different methods of teaching the same subjects will be tested and compared in the psychological laboratories of the college. It is believed that the opportunity thus afforded of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

GRADUATE COURSES.

In addition to two seminars in education, and courses in the study of children and mental tests there are offered in each year observation classes in the Phebe Anna Thorne Model School and courses in systematic and experimental psychology recommended to students of education. Students electing education as their major subject for the degree of Doctor of Philosophy must elect experimental and systematic psychology as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Dr. Gordon conducts in each year the following graduate seminary:

Seminary in Methods of Teaching. *Two hours a week throughout the year.*

The subjects dealt with in the seminary include the discussion of the pedagogical principles underlying the teaching of the various school branches, English, history, mathematics, science, etc. Two hours each week of observation of classes in the Phebe Anna Thorne Model School are required in connection with the seminary.

All students working in the department of education are required to attend this seminary.

Dr. Gordon conducts in 1915-16 and in each succeeding year the following graduate seminary:

Seminary in Educational Problems. *Two hours a week throughout the year.*

All students working in the department of education who have completed the seminary in Methods of Teaching or have done equivalent work are expected to attend this seminary. The selection of subjects in this course varies from year to year. For 1915-16 a study of the methods for diagnosing intelligence will be taken up and an opportunity given for the student to assist at the giving of tests on school children. Other topics for study will be: advanced readings in the History of Education, School Hygiene, the principles underlying the curriculum.

Dr. Castro conducts in 1915-16 and in each succeeding year the following graduate course:

Model School Observation Course. *One hour a week throughout the year.*

All students working in the department of education are required to attend this course.

Dr. Leuba offers in 1915-16 and in each succeeding year the following graduate course:

The Psychology and Treatment of Deficient and Unusual Children.

Two hours a week throughout the year.

Dr. Rand offers in 1914-15 and in each succeeding year the following graduate course:

Mental Tests.

Two hours a week throughout the year.

Laboratory Work.

Four hours a week throughout the year.

This course combines seminary, laboratory drill, and research features. In the seminary work the history, development, and purpose of mental tests will be treated, and a study made of the sensory and higher mental processes. The laboratory drill will consist of training in the application of tests (including the Binet-Simon series), and practise in diagnosing mental ability, using as subjects children from schools in the vicinity of Bryn Mawr and Philadelphia. The research work will consist of special problems in the devising and standardization of tests, and the formulation of methods designed to improve specific mental deficiencies. The course is open only to graduate students who have had training in experimental psychology.

Dr. Rand offers in 1915-16 and in each succeeding year the following graduate course:

Special Laboratory Problems in Mental Tests.

Four hours a week throughout the year.

This course is offered in connection with the course in Mental Tests to students who wish to pursue advanced work.

Dr. Gordon, Dr. Castro and Dr. Rand together conduct the journal club.

Journal Club in Education.

Two hours once a fortnight throughout the year.

In addition to the above courses the following courses in education and in other departments are adapted to the needs of graduate students in the department of education:

Dr. Gordon offers in each year the following undergraduate courses, open to graduate students:

Introduction to Education.

Two hours a week throughout the year.

The course is designed to give a general survey of the field of pedagogical inquiry. It considers the social and philosophical conceptions which underly school practise and organization; the historical development of these conceptions, the psychological problems which are concerned in school management and methods of teaching and an introduction to the methods of experimental pedagogy.

Educational Psychology, Dr. Gordon.

Five hours a week during the second semester.

This course is intended not only for prospective teachers but for all students interested in psychology and in education. The problems of psychology which have a direct appli-

cation to educational practise are considered theoretically and experimentally. Four hours a week of laboratory work is required from students taking the course. A knowledge of psychology equivalent to that obtained in the minor course in psychology is presupposed.

Dr. Ferree offers in each year the following courses:

Systematic Psychology.

Three hours a week throughout the year.

This course is intended for graduate students who have already taken a course in experimental psychology and gives a systematic presentation of the literature of experimental psychology. Due consideration, however, is paid to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.) The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Experimental Psychology.

Five hours a week during the first semester.

This is an undergraduate course forming part of the minor or second year's work in psychology and all graduate students of education are required to take this course or to have taken its equivalent. It should be substituted in the first year for the course in systematic psychology by students who have not had equivalent work. Four hours a week of laboratory work are required in connection with this course.

Mr. King offers in each year the following graduate course:

English Enunciation.

One hour once a fortnight throughout the year.

Classical Archæology.

The instruction in this department is under the direction of Mr. Rhys Carpenter, Lecturer in Classical Archæology and Dr. Mary Hamilton Swindler, Reader in Latin and Reader and Demonstrator in Classical Archæology.

An archæological seminary of two hours a week throughout the year is offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week, affording a complete series of instruction in the various branches of classical archæology. It is recommended that those who elect archæology as a major subject should offer Greek Sculpture, Art and Life in Hellenistic Towns, and Ancient Rome, during their first year, reserving for their second year the courses on Ancient Architecture, Greek Vase-painting, and the Minor Arts.

All the undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison.

GRADUATE COURSES.

A seminary in archæology and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Mr. Carpenter conducts in each year the following graduate seminary:

Archæological Seminary.

Two hours a week throughout the year.

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1914-15 fifth century Greek sculpture is the subject of the seminary in the first semester, and fifth century Greek vases in the second semester.

In 1915-16 Greek minor arts (coins, gems, terra-cottas) will be studied in the first semester, and the monuments and topography of Athens and Delphi in the second semester.

In 1916-17 Greek architecture will be studied in the first semester, and Roman architecture in the second semester.

Dr. Swindler offers in 1915-16 the following graduate courses:

Ægean Archæology with emphasis on the recent discoveries in Crete.

One hour a week during the first semester.

Ancient Painting.

One hour a week during the second semester.

The work includes a detailed survey of Cretan frescoes, painted plaques, stelæ and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration and the mummy portraits from the Fayûm.

Mr. Carpenter and Dr. Swindler together conduct in each year the Archæological Journal club:

Archæological Journal Club. *One and a half hours a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

The following undergraduate courses may be attended by graduate students:

Mr. Carpenter offers in 1914-15, in 1916-17, and in each succeeding year the following course, open to graduate students:

Ancient Architecture.

Three hours a week throughout the year.

An introductory outline of Egyptian, Cretan, and Mycenaean building is followed by a detailed study of the principles and practice of architecture in Greece and Rome. The course ends with a brief survey of Byzantine, Renaissance, and present-day classical styles. Emphasis is laid on architectural evolution and its connection with the civilization of the times.

Mr. Carpenter offers in 1914-15 the following course, open to graduate students:

The Roman World.

Two hours a week during the first semester.

The course traces the spread of Roman culture through the ancient world, as illustrated by the existing remains, and deals with the art and daily life of the period. This course and the course on Rome, given in the second semester are specially recommended to students of Latin.

Mr. Carpenter offers in 1914-15 and in each succeeding year the following course, open to graduate students:

Greek and Roman Minor Arts.

Two hours a week during the second semester.

The course treats of Greek and Roman bronze statuettes, terra-cotta figurines, coins, gems, jewelry, silver-ware, and similar objects, mainly for their artistic and cultural interest. The first six lectures deal with Cretan and Mycenaean art. This course supplements that on Greek vase-painting given in the first semester.

Mr. Carpenter offers in 1915-16 and in each succeeding year the following courses, open to graduate students:

Greek Sculpture.

Three hours a week throughout the year.

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

Art and Life in Hellenistic Towns.

Two hours a week during the first semester.

A reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination.

Dr. Swindler offers in 1914-15 the following course, open to graduate students:

Greek Vase-painting.

Two hours a week during the first semester.

The course illustrates in detail the artistic development of Greek vase decoration and further forms an introduction to the mythology and daily life of ancient Greece.

Dr. Swindler offers in 1915-16 and in each succeeding year the following course, open to graduate students.:

Ancient Painting and Vases.

Two hours a week during the first semester.

The course traces the development of ancient painting. It further forms an introduction to the mythology and daily life of Greece, through the study of designs on Greek vases.

Dr. Swindler offers in 1914-15 and in each succeeding year the following course, open to graduate students:

Ancient Rome.

Two hours a week during the second semester.

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended both as an archaeological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

This course supplements that on Art and Life in Hellenistic Towns given in the first semester.

History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King, Lecturer in the History of Modern Art, and Miss Dorothy Ochtman, Demonstrator in the History of Art.

GRADUATE COURSE.

A seminary in History of Art of two hours a week throughout the year is offered to graduate students who have done elementary work in history of art.

In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of the Academic Council.

Miss King conducts in each year the following graduate seminary and journal club:

Seminary in Modern Painting.

Two hours a week throughout the year.

In addition to working with books and photographs the students will be required to make short day-trips to study pictures.

In 1914-15 the subject of the seminary is the Spanish primitives.

In 1915-16 the sources of Spanish architecture from the 12th to the 15th century will be studied.

In 1916-17 the subject will be Spanish painting after 1500. Special problems will be assigned for investigation and report.

Journal Club in Modern Painting.

Two hours once a fortnight throughout the year.

The following undergraduate courses may be attended by graduate students:

Miss King offers each year the following courses, open to graduate students:

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century. *Three hours a week throughout the year.*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy.

Gothic Architecture.*Two hours a week throughout the year.*

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture.

Painting in the Seventeenth and Eighteenth Centuries.*Three hours a week throughout the year.*

In the first semester the Dutch, German, and Flemish painters will be studied, in the second semester the French, Spanish, and English.

Renaissance Sculpture.*Two hours a week throughout the year.*

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. James Ryals Conner, Associate Professor of Mathematics.

GRADUATE COURSES.

The graduate courses consist of lectures and seminary work supplemented by private reading under the direction of the instructors, the courses being arranged each year with reference to the wishes and degree of preparation of the students concerned. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Scott offers in 1914-15 the following graduate course:

The Topology of Algebraic Curves.*Two hours a week throughout the year.*

This course deals with the visible properties of plane algebraic curves, the number, nature and relation of the real components of singularities; the number, nature and arrangement of the distinct circuits; and with the theory of knots.

Dr. Scott offers in 1915-16 the following graduate course:

General Theory of Plane Algebraic Curves.*Two hours a week throughout the year.*

No knowledge of the systematic theory is presupposed, beyond what is contained in the customary work in analytical geometry. The lectures take up Plücker's equations, the analysis of higher singularities, the theory of the intersections of curves, with some discussion of systems of curves and geometry on a curve. Attention is paid to special configurations that present themselves in connection with cubic and quartic curves.

Dr. Scott offers in 1916-17 the following graduate course:

Geometrical Transformations.

Two hours a week throughout the year.

During the first semester the work deals with Cremona transformations in a plane; the more general theory of geometrical transformations is taken up during the second semester.

Dr. Conner offers in 1914-15 the following graduate course:

Differential Geometry.

Two hours a week throughout the year.

An account of the classical theory of the infinitesimal properties of curves and surfaces will first be given. The modern development of the subject will then be studied and special attention will be paid to metrical notions.

Dr. Conner offers in 1915-16 the following graduate course:

Calculus of Variations.

Two hours a week throughout the year.

The foundations of the subject will be laid with careful attention to mathematical rigour. Numerous problems chosen from a wide range of subjects will be proposed and investigated.

Dr. Conner offers in 1916-17 the following graduate course:

Theory of Algebraic Numbers.

Two hours a week throughout the year.

A short account of rational integers is given; afterwards the subject of integers in a general algebraic realm is taken up, special attention being given to quadratic realms.

Dr. Scott and Dr. Conner together conduct the journal club.

Mathematical Journal Club.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and advanced work. They deal, therefore, with the subjects of the major course carried to higher developments and treated by higher methods. As the order of mathematical studies differs in different colleges, graduate students frequently find it advisable to devote a part of their time to these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four hours a week. The courses given are the following with occasional modifications:

I. (a.) Lectures Introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or, I. (b.) Lectures on Modern Pure Geometry.

or, I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, Certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take this course before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or, II. (b.) Lectures Preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or, II. (c.) Lectures on Differential Equations, ordinary and partial.

or, II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

or, II. (e.) Elementary Theory of Numbers.

In 1914-15 the following post-major courses are offered:

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| I. (c.) Dr. Scott. | <i>Two hours a week throughout the year.</i> |
| II. (e.) Dr. Conner. | <i>Two hours a week throughout the year.</i> |

In 1915-16 the following post-major courses are offered:

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| I. (a.) Dr. Scott. | <i>Two hours a week throughout the year.</i> |
| II. (d.) Dr. Conner. | <i>Two hours a week throughout the year.</i> |

In 1916-17 the following post-major courses are offered:

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|----------------------|--|
| I. (b.) Dr. Scott. | <i>Two hours a week throughout the year.</i> |
| II. (d.) Dr. Conner. | <i>Two hours a week throughout the year.</i> |

FREE ELECTIVE COURSES.

Dr. Scott offers in 1914-15 and again in 1916-17 the following free elective course, open to graduate students:

Fundamental Theorems of Algebra and Geometry.

One hour a week throughout the year.

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirement for matriculation is presupposed. It is hoped that the work will prove useful to those intending to teach elementary mathematics.

Dr. Scott offers in 1915-16 and again in 1917-18 the following free elective course, open to graduate students:

Graphic Mathematics.

One hour a week throughout the year.

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirement of matriculation is presupposed.

Dr. Conner offers in each year the following free elective course, open to graduate students:

Descriptive Astronomy.

Two hours a week throughout the year.

The subject will be treated from an elementary point of view. Such mathematics as seems desirable will be developed in the lectures.

The following free elective course, open to graduate students, will be offered when the time of the department permits:

Mathematics Preparatory to Science. *Two hours a week throughout the year.*

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. James Barnes,* Dr. Frederick Hutton Getman, Dr. Thomas Clachar Brown, Dr. Roger Frederick Brunel, Dr. Alfred Russell Moore, Dr. Janet Tucker Howell, Dr. Julia Peachy Harrison, Miss Mary Edith Pinney, and Miss Helen Turnbull Gilroy.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones for advanced and special work, a special room for physical chemistry, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purpose of instruction and research, and is increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

The geological department is equipped with large collections of minerals, rocks, and fossils, a carefully selected library, and laboratories furnished with maps, models, charts, lantern slides, petrologic microscopes, goniometers, and other apparatus necessary for work in undergraduate and graduate courses.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

* Granted leave of absence for the year 1914-15.

The physical laboratories are carefully furnished with the apparatus necessary for thorough work.

Graduate work in the natural sciences is highly special, and consists of laboratory work, private reading, and special investigations pursued by the student under the guidance of the instructors.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes,* Associate Professor of Physics, Dr. Janet Tucker Howell, Lecturer in Physics, and Miss Helen Turnbull Gilroy, Demonstrator in Physics.

GRADUATE COURSES.

The graduate courses consist of lectures, laboratory work, and original research under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Huff offers in 1914-15 the following graduate courses:

Radioactivity and Discharge of Electricity through Gases.

Three hours a week during the first semester.

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radioactivity a brief account of theories is given.

Electron Theory.

Three hours a week during the second semester.

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

Dr. Huff offers in 1916-17 the following graduate course:

Mathematical Theory of Electricity and Magnetism.

Three hours a week throughout the year.

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

*Granted leave of absence for the year 1914-15. The courses offered by Dr. Barnes are given in 1914-15 by Dr. Howell.

Dr. Barnes offers in 1915-16 the following graduate course:

Physical Optics.

Three hours a week throughout the year.

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

Dr. Barnes offers in 1917-18 the following graduate course:

Thermo-dynamics and Radiation.

Three hours a week throughout the year.

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

In each year Dr. Huff and Dr. Barnes together conduct the journal club, and the laboratory work.

Physical Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory work.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experiments, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

FREE ELECTIVE COURSES.

Dr. Huff offers in 1914-15 the following free elective course, open to graduate students:

Physical Basis of Music.

One hour a week throughout the year.

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading will be assigned.

Dr. Huff offers in 1915-16 the following free elective course, open to graduate students:

Historical Development of Physics.

One hour a week throughout the year.

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have had a minor course in science or its equivalent.

Dr. Barnes offers in 1915-16 the following free elective course, open to graduate students:

Astrophysics.

Two hours a week throughout the year.

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Clarke's *Problems in Astrophysics*, Darwin's *The Tides*, and selected chapters in Moulton's *Celestial Mechanics* will be read and discussed. The course is open to students who have taken the minor course in physics or the minor course in mathematics or courses equivalent to these.

POST-MAJOR COURSES.

Dr. Huff offers in 1915-16 the following post-major course, open to graduate students:

Electricity and Magnetism.

Three hours a week throughout the year.

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Dr. Huff offers in 1917-18 the following post-major courses, open to graduate students:

Properties of Matter.

Three hours a week during the first semester.

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound.

Three hours a week during the second semester.

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Dr. Barnes* offers in 1914-15 the following post-major course, open to graduate students:

Spectroscopy.

Three hours a week throughout the year.

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Dr. Barnes offers in 1916-17 the following post-major course, open to graduate students:

General Optics.

Three hours a week throughout the year.

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

* See footnote, page 131.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Associate Professor of Chemistry, Dr. Frederick Hutton Getman, Associate Professor of Chemistry, and Dr. Julia Peachy Harrison, Reader and Demonstrator in Chemistry.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry under the direction of Dr. Brunel, or in physical chemistry under the direction of Dr. Getman, but students who elect organic chemistry as the major subject of examination must take physical chemistry as the associated minor, and students who elect physical chemistry as the major subject, must take organic chemistry as the associated minor.

No undergraduates are admitted to graduate courses.

Dr. Brunel conducts in each year the following graduate seminary:

Chemical Seminary, Organic Chemistry. *One hour a week throughout the year.*

This is intended primarily for students who are carrying on research in organic chemistry, and will consist of reports on assigned topics which will usually be related to the research in which the student is engaged.

Dr. Getman conducts in each year the following graduate seminary:

Chemical Seminary, Inorganic Chemistry. *One hour a week throughout the year.*

The course consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Dr. Brunel offers in each year the following graduate course:

Advanced Organic Chemistry. *One hour a week throughout the year.*

Lectures, reading, and occasional reports covering the historical developments and present status of subjects of current interest. In the year 1915-16 the topics taken up will be Tautomerism; the Mechanism of Chemical Reactions; the Alkaloids.

Students counting this course as the equivalent of a seminary to make up a graduate

minor will be required to carry on laboratory work, sufficient to make the work of the course occupy sixteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem.

Dr. Getman offers in each year the following graduate course:

Physical Chemistry.

Two hours a week throughout the year.

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest.

Dr. Brunel and Dr. Getman together conduct the journal club.

Chemical Journal Club.

One hour a week throughout the year.

The advanced students, with the instructors, meet to hear reports and discussions on recent scientific articles.

POST-MAJOR COURSES.

Dr. Brunel offers in each year the following post-major course, open to graduate students:

Organic Chemistry.

Two hours a week throughout the year.

The course consists of lectures, assigned reading with occasional reports, and laboratory. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week will be required, three hours' credit being given for the course. The laboratory work will consist of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

Dr. Getman offers in each year the following post-major courses, open to graduate students:

Physical Chemistry.

Two hours a week throughout the year.

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subject. The lectures are intended to give a general outline of the subject, the following topics being discussed: fundamental theories of chemistry; the periodic classification; the corpuscular theory of matter; the laws of gases, liquids and solids; osmotic pressure and dilute solutions; colloidal solutions; thermochemistry; homogeneous and heterogeneous equilibria; chemical kinetics; electrochemistry; actinochemistry, and radiochemistry. The solution of a large number of problems will be required.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

Inorganic Chemistry.

One hour a week throughout the year.

Selected topics in inorganic chemistry are discussed in detail and parallel reading is required. In the laboratory work of four and a half hours a week advanced qualitative analyses are included.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom,* Professor of Geology, and Dr. Thomas Clachar Brown, Associate in Geology.

The instruction offered in geology includes, in addition to the minor and major courses, three free elective courses of one and two hours a week respectively, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and four graduate courses of two and three hours a week respectively.

Post-major courses in petrography, mineralogy, and paleontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

GRADUATE COURSES.

The graduate courses in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate course in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate courses in stratigraphic geology and paleontology and paleogeography are designed primarily for graduate students wishing to make organic geology a major

* Granted leave of absence for the year 1915-16. The courses offered by Professor Bascom will be given by a substitute whose appointment will be announced later.

subject for the degree of Doctor of Philosophy; they may also be taken by graduate students in biology who wish to make paleontology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology and paleontology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialise either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and paleontology, under the direction of Dr. T. C. Brown, but students who make inorganic geology the major subject of examination must take either organic geology, inorganic chemistry or crystallography, as the associated minor and students who elect organic geology as the major subject, must take either inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

Dr. Bascom* conducts in each year the following graduate seminary:

Petrology and Crystallography.

Three hours a week throughout the year.

This seminary will be conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology will be dependent upon the needs of the individual students. In crystallography direction will be given in crystal measurement by the reflecting goniometer, in crystal projection, and crystal drawing. The seminary will involve as much laboratory work as the time of the student permits.

Dr. Thomas Clachar Brown conducts in each year the following graduate seminary:

Seminary in Stratigraphic Geology and Paleontology.

Three hours a week throughout the year.

The nature of the work in this seminary will be determined by the needs of the students. The work will consist of consultations, required readings, formal reports, and laboratory work. Students specializing in stratigraphic geology will devote their attention to the principles of stratigraphy and the stratigraphic succession in North America. For those who specialize in paleontology the work will consist of a detailed study of the modern methods of paleontologic research and of the succession of fossil faunas.

Dr. Bascom and Dr. Brown together conduct the journal club.

Geological Journal Club.

One hour a week throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

* See footnote, page 136.

POST-MAJOR COURSES.

Dr. Bascom* offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

Petrography.

Three hours a week throughout the year.

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. Practice is given in the quantitative chemical classification of igneous rocks for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Levy are used for reference. Special field problems are given to the students for independent solution.

Dr. Bascom offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

Determinative Mineralogy.

Two hours a week throughout the year.

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis will be placed on crystal forms and practice will be given in the use of the two-circle contact goniometer. This course will be given if elected by a sufficient number of students.

Dr. Thomas Clachar Brown offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

Invertebrate Paleontology.

Three hours a week throughout the year.

The course presupposes a knowledge of historical geology. During the first semester a systematic study is made of the various classes of invertebrate animals which are found in a fossil state. Special attention is given to the relations of these classes to each other, and any bearing that this may have on the theory of evolution is pointed out. Those classes which are of practical value to the stratigraphic geologist in determining the geologic age of formations are dwelt upon at considerable length. Excursions are made to neighboring fossiliferous localities to collect fossils and to observe their occurrence in the rocks. The student has access, not only to the representative paleontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutions in Philadelphia.

The work of the second semester is designed to make the students familiar with methods of applying a knowledge of invertebrate paleontology to the problems of geology. It will treat in detail each of the successive faunas or assemblages of animal life which have developed since the opening of the Cambrian period. An attempt will be made to show that each fauna was a direct response to the environment which surrounded it, and the probable geologic, physiographic, and climatic factors of this environment will be discussed.

Dr. Thomas Clachar Brown offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

Vertebrate Paleontology.

Two hours a week throughout the year.

* See footnote, page 136.

A systematic study is made of the vertebrate remains which have been found as fossils. Since the vertebrate organisms represent the highest phase of development to which the animal kingdom has attained, a study of their past history is of prime importance in elucidating some of the most fundamental principles in the evolution of life. This course will be given if elected by a sufficient number of students.

FREE ELECTIVE COURSES.

Dr. Bascom offers in 1916-17 and again in 1918-19 the following free elective course, open to graduate students:

Cosmogony.

One hour a week throughout the year.

The work of the course will be conducted by means of lectures, required reading, and class-room discussion. The lectures will treat of the origin of the earth, the growth of the continents and the development of landscape, and will be illustrated by lantern slides. The reading is intended to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geological research.

Dr. Thomas Clachar Brown offers in 1915-16 and again in 1917-18 the following free elective course, open to graduate students:

Evolution of the Vertebrates.

Two hours a week throughout the year.

This course consists of lectures illustrated by charts, diagrams, lantern slides and photographs. It gives a comprehensive outline of the evolution of the vertebrates from the earliest appearance of representatives of this group to the present time. The vertebrate phylum not only contains the highest types of animal life but is the only phylum which has gone through the whole of its evolution since the beginning of geological history as recorded in the fossil-bearing rocks. The course will consider first those primitive types which perhaps represent ancestral vertebrate forms and then will consider in the order of their appearance the five great classes of Fishes, Batrachians, Reptiles, Birds, and Mammals. The rise and development of the mammals will be followed in considerable detail, and an attempt will be made to show the relation between the types which were developed and their environment including the geographic, physiographic, and climatic factors as well as the surrounding animal and plant life.

Dr. Thomas Clachar Brown offers in 1914-15 the following free elective courses, open to graduate students:

Meteorology.

One hour a week throughout the year.

This course will consist of a series of lectures, supplemented by required reading, on the general field of meteorology and the phenomena with which this science deals. The discussions will deal with the atmosphere, atmospheric temperatures and pressures; winds, dew, frost, clouds, rain, and snow; cyclonic storms, local storms, causes and distribution of rainfall; weather maps and weather predictions.

Geologic and Geographic Control in American History.

Two hours a week throughout the year.

The work in this course will consist of lectures and discussions, supplemented by private reading, concerning the effects of geologic and geographic features upon American history. The following selection will indicate the nature of the topics to be discussed: Topographic effects upon types of industry; mountains, valleys, and routes of travel; water power, mineral fuel, and manufacturing sites; mineral deposits and their effects upon the settlement of the western states; the "fall line" and the larger cities of the Atlantic coast.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Arthur Russell Moore, Associate Professor of Physiology, and Miss Mary Edith Pinney, Demonstrator in Biology.

GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in morphology under the guidance of Dr. Tennent, or in biochemistry or physiology under the guidance of Dr. Moore. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Tennent offers in each year the following graduate seminary:

Seminary in Zoölogy.

Three hours a week throughout the year.

In 1914-15 Cytology is the subject of the seminary. The work deals with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms.

Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

In 1915-16 Embryology of Invertebrates will be the subject of the seminary. The work will include a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

In 1916-17 Genetics will be the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

Dr. Moore offers in each year the following graduate seminary:

Seminary in Physiology and Biochemistry.

Two hours a week throughout the year.

In 1914-15 Internal Secretions is the subject of the seminary. The work consists of reports by the students, and discussion of recent problems in the subject.

In 1915-16 selected problems dealing with the gastro-intestinal tract will be treated by similar methods.

In 1916-17 Problems in the Chemistry of the Enzymes will be investigated.

The order of subjects may be varied to meet the needs of the students.

Dr. Tennent and Dr. Moore together conduct the journal club and the laboratory work.

Biological Journal Club.

One hour a week throughout the year.

The advanced students and the instructors meet for the discussion of topics of current biological literature.

Laboratory Work.

There is no regular course of laboratory instruction for graduates. Each student must devote a considerable portion of her time to such work and will be given a problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

POST-MAJOR COURSES.

Dr. Tennent offers in 1915-16 and again in 1917-18 the following post-major courses, open to graduate students:

Protoplasm, the Cell, and Cytological Technique.

One hour a week during the first semester.

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation, and fertilisation. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory work as a two hour course.

Experimental Morphology.

One hour a week during the second semester.

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in *Proteozoa* and *Metazoa*, behaviour of lower organisms, experiments on the fertilised and unfertilised egg, Mendel's experiments in hybridisation, and *De Vries Oenothera* mutants. This course is to be taken with four hours laboratory work as a two hour course.

Dr. Tennent offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

Embryology of Vertebrates.

One hour a week throughout the year.

This course consists of lectures, assigned reading and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of *Amphioxus*, *Ascidian*, *Amia*, *Lepidosteus*, *Squalus*, *Ctenoabrus*, *Necturus*, *Rana*, *Chrysemys*, *Chick*, and *Pig*. At least five hours of laboratory work will be required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Dr. Moore offers in each year the following post-major course, open to graduate students:

Biochemistry.

Three hours a week throughout the year.

This course consists of lectures, recitations, assigned reading and laboratory work. Occasionally a member of the class is asked to report on an article from the literature of the subject. At least four hours a week of laboratory work are required. The laboratory work includes a study of the properties and reactions of proteins; fats and carbohydrates; of the digestive actions of the enzymes of the salivary, gastric, pancreatic and intestinal secretions and the bile; and of the milk, blood, and urine. A preliminary training in chemistry at least equivalent to that obtained in the minor course is required.

Dr. Moore offers in 1914-15 and again in 1916-17 the following post-major course, open to graduate students:

Comparative Physiology of the Central Nervous System.

One hour a week throughout the year.

The function of the nervous system in invertebrates with reference to instincts and tropisms.

In addition to the lectures demonstration experiments are given, and from time to time the students are asked to report on recent articles. The laboratory work and reading together amount to one and a half hours a week.

Dr. Moore offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

Recent Advances in Biochemistry.

One hour a week throughout the year.

This course consists of lectures and reports on assigned reading dealing with the biochemistry of enzymes, secretion, fertilization, and development. The laboratory work and required reading together amount to one and a half hours a week.

Dr. Tennent and Dr. Moore conduct laboratory work in connection with the above courses:

Laboratory Work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

FREE ELECTIVE COURSE.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This is a historical course dealing with the development of the theories of biology. Special attention is given to theories of evolution and heredity. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level, in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630, and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three story stack with accommodation for eighty-eight thousand volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side are the Art and Archæological seminaries, containing collections of photographs, vases, and coins. The main building contains offices for the librarians and cataloguers, a professor's office, a new book room, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain eleven seminary rooms and twenty-eight professors' offices. The books needed for graduate study and research are kept in the seminary rooms where the graduate lectures are held. The seminaries are arranged as follows: Greek, Latin, English, German, French, Italian and Spanish, Semitic Languages and Philosophy in the north wing; Mathematics, History, Economics and Psychology, in the south wing. The total book capacity of the library including the seminary libraries and the books for general study which are kept in the stack, is 168,499 volumes. The building is absolutely fire-proof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students,

four interview rooms, and a library for the use of the Christian Association.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains an interview room, two professors' offices, a room for the Monograph Committee of the Faculty, and the Alumnæ Association, and fire-proof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 a. m. till 10 p. m. and on Sundays from 2 p. m. till 10 p. m. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the Trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnæ and students.

Around Taylor Hall the Trustees have erected halls of residence for the accommodation of students. Plans, drawings, and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in a separate pamphlet to be obtained from the Secretary of the College.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the alumnæ and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 a. m. till 10 p. m., daily, contains a large hall for gymnastic exercises, with a run-

ning or walking track for use in rainy weather; a room for the director, and an adjoining room for the examination and record of the physical development of the students, a waiting room, and cloak rooms. In the basement are bathrooms for use after exercise and a swimming-tank, sixty-nine feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the *alumnæ*, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

On the grounds, separated from other buildings, is the Class of 1905 infirmary opened in October, 1913, with accommodation for patients and nurses, and its own diet kitchens and bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

The Phebe Anna Thorne Model School is situated on the campus and has its own out-of-door class rooms and athletic ground.

A central power-house, which was erected in 1903 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the piping system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees during all the twenty-four hours of the day, in all the bathrooms and stationary washstands and tea pantries.

The Bell Telephone Company, a branch of the American Telephone and Telegraph Company, maintains telephone pay stations in each of the halls of residence, in the library, and in the gymnasium, by means of which the students may be com-

municated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A. M. to 12 P. M.), an Adams Express office, a United States money-order office and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college at a cost of twenty-five dollars a month.

LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF
DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

- BARTLETT, HELEN. The Metrical Division of the Paris Psalter. 49+[1] p., O. Baltimore, The Friedenwald Company. 1896.
- BLISS, ELEANORA FRANCES AND ANNA I. JONAS. Relation of the Wissahickon Mica-gneiss to the Shenandoah Limestone and to the Octoraro Mica-schist, of the Doe Run-Ayondale District, Coatesville, Quadrangle, Pennsylvania. 64 p., O. February, 1914.
- BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-two Species of the Membracidae, Jassidae, Cercopidae and Fulgoridae. p. 470-512, O. 9 pl. Baltimore, 1907.
Reprint from *Journal of Experimental Zoölogy*, vol. 4, No. 4.
- BOURLAND, CAROLINE BROWN. Boccaccio and the Decameron in Castilian and Catalan Literature. 233 p., O. 5 pl. New York, Paris, Macon, Protat Frères, 1905.
Reprint from *Revue Hispanique*, t. xii.
- BOWERMAN, HELEN COX. Roman Sacrificial Altars. An archæological Study of Monuments in Rome. 101 p., O. 11 pl. Lancaster, Pa., The New Era Printing Co., 1913.
- BREED, MARY BIDWELL. The Polybasic Acids of Mesitylene. 31+[1] p., O. Baltimore, The Friedenwald Company. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1 No. 1.
- BUNTING, MARTHA. The Origin of the Sex Cells in Hydractinia and Podocoryne and the Development of Hydractinia. 34 p., O. Boston, Ginn and Company. 1894.
Revised reprint from *Journal of Morphology*, vol. 9, No. 2.
- BYRNES, ESTHER FUSSELL. The Maturation and Fertilisation of the Egg of *Limax Agrestis* (Linné). p. 201-236+[1] p., O. Boston, Ginn and Company, publishers. The Athenæum Press. 1899.
Reprint from *Journal of Morphology*, vol. 16, No. 1.
- CLAFLIN, EDITH FRANCES. The Syntax of the Boeotian Dialect Inscriptions. 93 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press, 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 3.

COULTER, CORNELIA CATLIN. *Retractatio in the Ambrosian and Palatine Recensions of Plautus. A study of the Persa, Poenulus, Pseudolus, Stichus, and Trinummus.* 118 p., O. Bryn Mawr, Pennsylvania, 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. x.

CUMMINGS, LOUISE DUFFIELD. *On a method of Comparison for Triple-Systems.* p. 311-327, Q.

Reprint from *Transactions of the American Mathematical Society*, vol. 15, No. 3. July, 1914.

DUCKETT, ELEANOR SHIPLEY. *Studies in Ennius.* 78 p., O. Bryn Mawr, Pennsylvania. 1915.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xviii.

DUDLEY, LOUISE. *The Egyptian Elements in the Legend of the Body and Soul.* 179+[xi] p., O. Baltimore, printed by J. H. Furst Co. 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. viii.

ELLIS, ELLEN DEBORAH. *Introduction to the History of Sugar as a Commodity.* 117 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. iv.

EMERY,* ANNIE CROSBY. *The Historical Present in Early Latin.* 120+[3] p., O. Ellsworth, Maine, Hancock Publishing Company. 1897.

EVERS, HELEN MARGARET. *Critical edition of the discours de la vie de Pierre de Ronsard, par Claude Binet.* iv+190 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ii.

FOSTER, FRANCES ALLEN. *A study of the Middle-English poem known as The Northern Passion.* vi+101 p., O. Richard Clay & Sons, Ltd. London and Bungay. 1914.

Reprint from *The Northern Passion*, vol. II. *Early English Text Society, Original Series*, 147, 1914 (for 1913).

FRANKLIN, SUSAN BRALEY. *Traces of Epic Influence in the Tragedies of Æschylus.* 81 p., O. Baltimore, The Friedenwald Company, 1895.

GENTRY, RUTH. *On the Forms of Plane Quartic Curves.* [7]+73 p., O. 13 pl. New York, Robert Drummond. 1896.

GIBBONS, VERNETTE LOIS. *The Potentials of Silver in Non-aqueous Solutions of Silver Nitrate.* 32 p., O. Eschenbach Printing Co., Easton, Pa. 1914.

* Mrs. Francis Greenleaf Allinson.

- GRAHAM, MINNIE ALMIRA. A Study of the Change from Violet to Green in Solutions of Chromium Sulphate. 50 p., O. pl. 3. Easton, Pennsylvania, printed by the Eschenbach Printing Company, 1912.
- HALL, EDITH HAYWARD. The Decorative Art of Crete in the Bronze Age. 47 p. 3 pl. Philadelphia, The John C. Winston Co. 1907.
Reprint in part from *Transactions of the Department of Archaeology of the University of Pennsylvania*, vol. 2, part 1. 1906.
- HARMON, ESTHER. Johanna Schopenhauer. Munich, Printed by Kastner and Callwey. 1914.
- HARPER, CARRIE ANNA. The Sources of the British Chronicle History in Spenser's Faerie Queene. 190 p., O. Philadelphia, The John C. Winston Co. 1910.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vii.
- HUSSEY, MARY INDA. Some Sumerian-Babylonian Hymns of the Berlin Collection. p. 142-176, O.
Reprint from *American Journal of Semitic Languages*, vol. 23, No. 2. January, 1907.
- JONAS, ANNA I. AND ELEANORA F. BLISS. Relation of the Wissahickon Mica-gneiss to the Shenandoah Limestone and to the Octoraro Mica-schist, of the Doe Run-Avondale District, Coatesville, Quadrangle, Pennsylvania. 64 p., O. February, 1914.
- KING, HELEN DEAN. The Maturation and Fertilisation of the Egg of *Bufo Lentiginosus*. p. 293-350, O. Boston, Ginn and Company, publishers. The Athenæum Press. 1901.
Reprint from *Journal of Morphology*, vol. 17, No. 2.
- LAIRD, ELIZABETH REBECCA. The Absorption Spectrum of Chlorine. p. 85-115, O.
Reprint from *Astrophysical Journal*, vol. 14, No. 2. September, 1901.
- LEFTWICH,* FLORENCE. *La Vie Seint Edmund le Rei*. An Anglo-Norman Poem of the Twelfth Century by Denis Piramus. p. 1-174, O. Philadelphia, The John C. Winston Co. 1906.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. v.
- LORD, ELEANOR LOUISA. The American Colonies as a Source of Naval Supplies for Great Britain. Published as Industrial experiments in the British colonies of North America. 10+154 p., O.
Johns Hopkins University Studies, Extra volume, 17. Baltimore, 1898.
- LOWATER, FRANCES. The Spectra of Sulphur Dioxide. p. 324-342, O.
Reprint from the *Astrophysical Journal*, vol. 23, No. 4. May, 1906.
- LYON,† DOROTHY WILBERFORCE. *Christe qui lux es et dies* and its German, Dutch, and English Translations. p. 70-85 and p. 152-192.
American Journal of Philology, vol. 19. 1898.

* Mrs. S. Prioleau Ravenel.

† Mrs. Emmons Bryant.

MACDONALD, MARGARET BAXTER. A New Class of Disulphones. p. 1-21, O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.

MADDISON, ISABEL. On Singular Solutions of Differential Equations of the First Order in Two Variables and the Geometrical Properties of Certain Invariants and Covariants of their Complete Primitives. p. 311-374, O.

Reprint from *Quarterly Journal of Mathematics*, vol. 28. 1896.

MARTIN, EMILIE NORTON. On the Imprimitve Substitution Groups of Degree Fifteen and the Primitive Substitution Groups of Degree Eighteen. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.

Reprint from *American Journal of Mathematics*, vol. 23, No. 3.

MORRIS, MARGARET SHOVE. Colonial Trade of Maryland. p. 1-157, O. John Hopkins Press, Baltimore. 1914.

NEILSON, NELLIE. Economic Conditions on the Manors of Ramsay Abbey. 124 p., O. Philadelphia, printed by the press of Sherman and Company. 1899.

NICHOLS, HELEN HAWLEY. The composition of the Elihu Speeches, Job Chaps. XXXII-XXXVII. 95 p., O. 1911.

Reprint from *American Journal of Semitic Languages and Literature*, vol. 28, No. 2. January, 1911.

OGDEN, ELLEN SETON. The origin of the Gunu-Signs in Babylonian. 144 p., O. Leipzig, printed by W. Drugulin. 1911.

PARRIS,* MARION. Total Utility and the Economic Judgment Compared with their Ethical Counterparts. 103 p., O. Philadelphia, The John C. Winston Co. 1909.

PEEBLES, FLORENCE. Experiments in Regeneration and in Grafting of Hydrozoa. 53+[1] p., O. Leipzig, Wilhelm Engelmann. 1900.

PEEBLES, ROSE JEFFRIES. The Legend of Longinus in Ecclesiastical Tradition and in English Literature and its connection with the Grail. 221 p., O. Baltimore, printed by J. H. Furst Co. 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ix.

PERKINS,† ELIZABETH MARY. The Expression of Customary Action or State in Early Latin. 77 p., O. Washington, D. C. Printed by Judd and Detweiler. 1904.

RAGSDALE, VIRGINIA. On the Arrangement of the Real Branches of Plane Algebraic Curves. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1906.

Reprint from *American Journal of Mathematics*, vol. 28, No. 4.

* Mrs. William Roy Smith.

† Mrs. Eric C. W. S. Lyders.

RAND, GERTRUDE. The factors that influence the sensitivity of the Retina to color: A quantitative study and methods of standardizing. 166+xi p., O. Princeton, N. J. 1913.

Reprint from *The Psychological Monographs, Princeton, N. J.*

REIMER, MARIE. The Addition Reactions of Sulphinic Acids. 31 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1902.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.

REYNOLDS, GRACE POTTER.* The Reaction between Organic Magnesium Compounds and Unsaturated Compounds containing Alkoxyl Groups. 29 p., O. Easton, Pa., Eschenbach Printing Co. 1910.

RITCHIE,† MARY HELEN. A Study of Conditional and Temporal Clauses in Pliny the Younger. 57+[1] p., O. Philadelphia, Avil Printing Company. 1902.

ROE, ADAH BLANCHE. Anna Owena Hoyers, a poetess of the seventeenth century. 128 p., O. Bryn Mawr, Pennsylvania. 1915.

Reprint from the *Bryn Mawr College Monographs, Monograph Series*, vol. xix.

SANDISON, HELEN ESTABROOK. The "Chanson d'Aventure" in Middle English. 152 p., O. Bryn Mawr College, Bryn Mawr, Pennsylvania.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xii.

SCHAEFFER,‡ HELEN ELIZABETH. A Study of the Electric Spark in a Magnetic Field. p. 121-149, 1 pl. O. 1908.

Reprint from *Astrophysical Journal*, vol. 28, 1908.

SCHENCK, EUNICE MORGAN. La part de Charles Nodier dans la formation des idées romantiques de Victor Hugo jusqu'à la *Préface de Cromwell*. 144 p., O. Bryn Mawr, Pennsylvania. 1914.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvi.

SCHMIDT, GERTRUD CHARLOTTE. Das Deminutivum im Mittelnieder-deutschen und Mittelniederländischen. 157+[ix] p., O. Borna-Leipzig. Printed by Robert Noske, 1912.

SHEARER, EDNA ASTON. Hume's Place in Ethics. 86 p., O. Bryn Mawr, Pennsylvania. 1915.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvii.

SPALDING, MARY CAROLINE. Middle English Charters of Christ. cxxiv+100 p., O. Bryn Mawr, Pennsylvania. 1914.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xv.

STEVENS,§ NETTIE MARIA. Further Studies on the Ciliate Infusoria, Lichenophora and Boveria. 45 p. 6 pl., O. 1903.

Reprint from *Archiv für Protistenkunde*, Bd. iii.

* Mrs. Winthrop Merton Rice.

† Died, 1905.

‡ Mrs. William Bashford Huff. Died, 1913.

§ Died, 1912.

STITES, SARA HENRY. *Economics of the Iroquois*. 159+vii p., O. Lancaster, Pa., The New Era Printing Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 3.

SWEET, MARGUERITE. *The Third Class of Weak Verbs in Primitive Teutonic with special reference to its Development in Anglo-Saxon*. 49+[1] p., O. Baltimore, The Friedenwald Company. 1893.

SWINDLER, MARY HAMILTON. *Cretan Elements in the Cult and Ritual of Apollo*. 77 p., O. Bryn Mawr, Pennsylvania. 1913.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xiii.

TAYLOR, LILY ROSS. *The Cults of Ostia*. 100 p., O. Bryn Mawr, Pennsylvania. 1913.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xi.

TRAVER, HOPE. *The Four Daughters of God. A Study of the Versions of this Allegory, with especial reference to those in Latin, French, and English*. 171 p., O. Philadelphia, The John C. Winston Co. 1907.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vi.

URDAHL, * MARGERETHE. *On certain u-Diphthongs in the Heliand*. 40 p., O. Göttingen, printed in the University Press by E. A. Huth. 1904.

WARREN,† WINIFRED. *A Study of Conjunctional Temporal Clauses in Thukydides*. 76+[3] p., O. Berlin, printed by Unger Brothers. 1897.

WILLIS, GWENDOLEN BROWN. *The Ancient Gods in Greek Romance*. 54 p., O. Chicago, University of Chicago Press, 1905.

* Mrs. Lewis Albert Anderson.

† Mrs. George Arthur Wilson.

SCHEDULE OF LECTURE

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German (Jeffers)	Greek (Kirk) German (Jeffers)
	GENERAL	Philosophy, Div. A (Theodore de Laguna) Div. B (Grace de Laguna) Div. C (Avey)	Philosophy, Div. A (Theodore de Laguna) Div. B (Grace de Laguna) Div. C (Avey)
	MINOR	Greek, Plato (Sanders) French Reading (Schenck) Economics, Introduction to Economics, Div. A (Marion P. Smith) Div. B (Kingsbury) Greek Sculpture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel)	Greek, Homer (Wright) French Essayists (Beck) Economics, Introduction to Economics, Div. A (Marion P. Smith) Div. B (Kingsbury) Hellenistic Towns (Carpenter) Mathematics, Trigonometry (Scott) Chemistry (Brunel)
	MAJOR	German Literature (Jessen) Fifth Century Athens (Ferguson) Psychology, Social Psychology (Leuba)	German, Faust (Jessen) Historians of Rome (Ferguson) Psychology, Social Psychology (Leuba)
	ELECTIVE	Biology, Theoretical (Tennent)	British Imperialism (William R. Smith) Historical Development of Physics (F)
	POST-MAJOR	Inorganic Chemistry	
	GRADUATE	Physics (Barnes) Geology (T. C. Brown)	Geology (T. C. Brown)
10	GENERAL	English Literature, 2nd year (Savage)	English Composition, 2nd year
	MINOR	English, Anglo-Saxon (C. F. Brown) English, 19th Century Critics (Chew) German Grammar (Lasch) Spanish (DeHaan) History of Europe, Div. A (———) Div. B (Leake) Biology (Tennent)	English, Anglo-Saxon (C. F. Brown) English, 19th Century Critics (Chew) German Literature (Jessen) Spanish (DeHaan) History of Europe, Div. A (———) Div. B (Leake) Biology (Tennent)
	MAJOR	Philosophy, History of (Avey) 17th and 18th Cent. Painting (G. G. King) Geology (T. C. Brown)	Philosophy, History of (Avey) Renaissance Sculpture (G. G. King) Geology (T. C. Brown)
	ELECTIVE	Private Law (Fenwick)	German, Advanced Composition (La) Astrophysics (Barnes)
	POST-MAJOR	Physics (Huff) Chemistry (Brunel)	Physical Chemistry
11	GENERAL	English Literature, 1st year (Savage)	English Composition, 1st year
	MINOR	Ancient History, Oriental (Barton) Mod. Philosophical Classics (T. de Laguna)	Ancient History, Classical (Ferguson) Mod. Philosophical Classics (T. de Laguna) Ancient Painting and Vases (Swindler)
	MAJOR	Latin, Tacitus (Wheeler) Italian (Holbrook) Spanish Reading (DeHaan) Physics (Barnes) Chemistry	Latin Literature (Frank) Italian (Holbrook) Spanish Literature (DeHaan) Physics (Barnes) Chemistry
	ELECTIVE		Descriptive Astronomy (Conner)
	POST-MAJOR	Petrography	Vertebrate Palæontology (T. C. Brown)
	GRADUATE	Systematic Psychology (Ferree)	
12	MATRICULATION	French (Thayer)	French (Thayer)
	MINOR	Latin, Cicero, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler) Italian (Holbrook) Psychology, Experimental (Ferree and Rand) Physics (Huff) Italian Renaissance Painting (G. G. King) Geology (Wallis)	Latin, Horace, Div. A (Frank) Div. B (Swindler) Div. C (Ferguson) Italian (Holbrook) Psychology, Experimental (Ferree and Rand) Physics (Huff) Gothic Architecture (G. G. King) Geology (Wallis)
	MAJOR	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature History, U. S. from 1865 (W. R. Smith) History, French Revolution (Leake) Politics, Present Problems (Fenwick) Mathematics (Conner) Biology (Moore)	Greek Literature (Wright) English Drama (Chew) French Romantic Drama History, U. S. from 1865 (W. R. Smith) History, French Revolution (Leake) Politics, Present Problems (Fenwick) Mathematics (Conner) Biology (Moore)
	ELECTIVE		
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

RST SEMESTER, 1915-16.

WEDNESDAY	THURSDAY	FRIDAY
<p>(Kirk) n (Jeffers)</p> <p>phy, Div. A (Theodore de Laguna) Div. B (Grace de Laguna) Div. C (Avey)</p> <p>Plato (Sanders) Reading (Schenck) ics, Introduction to Div. A (Marion P. Smith) Div. B (Kingsbury)</p> <p>Sculpture (Carpenter) ematics, Conics (Scott) stry (Brunel)</p> <p>n Composition and Reading (Lasch) Century Athens (Ferguson) logy, Social Psychology (Leuba)</p> <p>on of Vertebrates (T. C. Brown)</p> <p>, Physiological Chemistry (Moore)</p> <p>(Barnes)</p>	<p>Greek (Kirk) German (Jeffers)</p> <p>Philosophy, Div. A (Theodore de Laguna) Div. B (Grace de Laguna) Div. C (Avey)</p> <p>Greek, Homer (Wright) French Essayists (Beck) Economics, Introduction to Div. A (Marion P. Smith) Div. B (Kingsbury)</p> <p>Hellenistic Towns (Carpenter) Mathematics, Trigonometry (Scott) Chemistry, Demonstration (Brunel)</p> <p>German, Faust (Jessen) Roman Life (Frank) Psychology, Social Psychology (Leuba)</p> <p>British Imperialism (William R. Smith)</p> <p>Physics Journal Club (Huff and Barnes) Geology (T. C. Brown) Biology Journal Club (Tennent, Moore)</p>	<p>Greek (Kirk) German (Jeffers)</p> <p>Philosophy, Div. A (Theodore de Laguna) Div. B (Grace de Laguna) Div. C (Avey)</p> <p>Greek, Sophocles (Sanders) French Composition (Schenck) Economics, Introduction to Div. A (Marion P. Smith) Div. B (Kingsbury)</p> <p>Greek Sculpture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel)</p> <p>German Literature (Jessen) Fifth Century Athens (Ferguson) Psychology, Social Psychology (Leuba)</p> <p>New Testament Canon (Barton) Evolution of Vertebrates (T. C. Brown)</p> <p>Physics (Barnes)</p>
<p>Literature, 2nd year (Savage)</p> <p>, Anglo-Saxon (C. F. Brown) English, 19th Century Critics (Chew) (Lasch) (De Haan) of Europe, Div. A (_____) Div. B (Leake) (Tennent)</p> <p>phy, History of (Avey) 18th Cent. Painting (G. G. King) (T. C. Brown)</p> <p>Mathematics (Scott)</p> <p>(Huff) ary</p>	<p>English Composition, 2nd year</p> <p>English, Anglo-Saxon (C. F. Brown) English, 19th Century Critics (Chew) German Literature (Jessen) Spanish (DeHaan) History of Europe, Div. A (_____) Div. B (Leake) Biology, Demonstration (Tennent)</p> <p>Philosophy, History of (Avey) Renaissance Sculpture (G. G. King) Geology Laboratory (T. C. Brown)</p> <p>Astrophysics (Barnes)</p> <p>Middle High German (Lasch) Physical Chemistry</p>	<p>English Literature, 2nd year (Savage)</p> <p>English, Anglo-Saxon (C. F. Brown) English, 19th Century Critics (Chew) German (Lasch) Spanish (DeHaan) History of Europe, Div. A (_____) Div. B (Leake) Biology (Tennent)</p> <p>Philosophy, History of (Avey) 17th and 18th Cent. Painting (G. G. King) Geology Laboratory (T. C. Brown)</p> <p>Physics (Huff) Chemistry</p>
<p>Literature, 1st year (Savage)</p> <p>History, Oriental (Barton) Philosophical Classics (T. de Laguna)</p> <p>icitus (Wheeler) (Holbrook) Grammar (DeHaan) (Barnes) y</p> <p>phy</p> <p>ic Psychology (Ferree)</p> <p>(Thayer)</p>	<p>English Composition, 1st year</p> <p>Ancient History, Classical (Ferguson) Mod. Philosophical Classics (T. de Laguna) Ancient Painting and Vases (Swindler)</p> <p>Latin Literature (Frank) Italian (Holbrook) Spanish Literature (De Haan) Physics Laboratory (Barnes) Chemistry Laboratory</p> <p>Descriptive Astronomy (Conner)</p> <p>Vertebrate Palaeontology (T. C. Brown)</p>	<p>English Literature, 1st year (Savage)</p> <p>Ancient History, Oriental (Barton) Mod. Philosophical Classics (T. de Laguna)</p> <p>Latin, Tacitus (Wheeler) Italian (Holbrook) Spanish Reading (DeHaan) Physics Laboratory (Barnes) Chemistry Laboratory</p> <p>Petrography</p> <p>Systematic Psychology (Ferree)</p>
<p>ero, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler)</p> <p>olbrook)</p> <p>y, Experimental (Ferree and Rand) (Huff)</p> <p>naissance Painting (G. G. King) (Wallis)</p> <p>istophanes (Sanders) rama (Chew) b, Composition (Schenck) y, S. from 1865 (W. R. Smith) y, French Revolution (Leake) Present Problems (Fenwick) ics (Conner) y (Moore)</p>	<p>French (Thayer)</p> <p>Latin, Horace, Div. A (Frank) Div. B (Swindler) Div. C (Ferguson)</p> <p>Italian (Holbrook) Psychology, Experimental (Ferree and Rand) Physics, Demonstration (Huff) Gothic Architecture (G. G. King) Geology, Demonstration (Wallis)</p> <p>Greek Literature (Wright) English Drama (Chew) French Drama History, U. S. from 1865 (W. R. Smith) History, French Revolution (Leake) Politics, Present Problems (Fenwick) Mathematics (Conner) Biology (Moore)</p> <p>Chemistry Journal Club (Brunel, Harrison)</p>	<p>French (Thayer)</p> <p>Latin, Cicero, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler)</p> <p>Italian (Holbrook) Psychology, Experimental (Ferree and Rand) Physics (Huff) Italian Renaissance Painting (G. G. King) Geology (Wallis)</p> <p>Greek, Demosthenes (Sanders) English Drama (Chew) French Literature History, U. S. from 1865 (W. R. Smith) History, French Revolution (Leake) Politics, Present Problems (Fenwick) Mathematics (Conner) Biology (Moore)</p> <p>Physical Chemistry</p>

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor, Field Work (Wallis) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor (Wallis) Biology, Minor (Tennent)
	ELECTIVE	History of Christian Doctrine (Barton)	History of Christian Doctrine (Barton)
	POST-MAJOR	Greek, Æschylus (Sanders)	Greek, Æschylus (Sanders) Spanish (DeHaan)
	GRADUATE	International Law (Fenwick) Economics and Politics, Social Statistics (Kingsbury) Mathematics (Scott)	International Law (Fenwick) Economics and Politics, Social Statistics (Kingsbury) Mathematics (Scott)
3	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor, Field Work (Wallis) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor (Wallis) Biology, Minor (Tennent)
	ELECTIVE	Elocution, Reading of Shakespeare (A. S. King)	Elocution, Reading of Shakespeare (A. S. King) Advanced Experimental Psychology (A. S. King)
	POST-MAJOR	Latin, Lucretius and Catullus (Frank) History, American Constitutional (William R. Smith)	Latin, Lucretius and Catullus (Frank) History, American Constitutional (William R. Smith) Mathematics (Conner)
	GRADUATE	Teutonic Seminary (Lasch), 3-5 Old Spanish, Readings (De Haan) Elementary Semitic Languages (Barton) Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Modern Painting (G. G. King), 2-4	Greek Seminary, Greek Orators (S. King), 3-4.30 Seminary in English Literature (S. King), 3-4.30 Old Norse (Lasch) Seminary in French Literature 3-4.30 Spanish Seminary (DeHaan) 3-4.30 Egyptian (Barton)
4	GRADUATE	Latin Seminary, Cicero's Correspondence (Frank), 4-6 Seminary in Mediæval French Literature (Beck), 4.30-6 Hebrew Literature (Barton) History Journal Club (William R. Smith and Leake), 4-6. Alternate Weeks. Economics Journal Club (Marion P. Smith, Fenwick, and Kingsbury), 4-6. Alternate Weeks. Psychology Seminary (Leuba), 4-6 Mathematics (Conner), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Leake), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and Leake), 4.30-6. Alternate Weeks Middle English Seminary (C. F. King), 4.30-6 German Journal Club (Jessen and Leake), 4.30-6. Alternate Weeks. Introduction to Old French Philology (Jessen and Leake), 4-6 Seminary in European History, 4-6 Seminary in Social Economy (Kingsbury), 4-6 Seminary in Ethics (Theodore de Foa), 4.30-6 Mathematical Journal Club (Scott and Leake), Alternate Weeks Psychology of Deficient and Unfortunate (Leuba), 4-6
5	GRADUATE	Introduction to Teutonic Philology (Lasch)	

1ST SEMESTER, 1915-16 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>of Poetics (Langdon)</p> <p>ristophanes (Sanders)</p> <p>omposition (Frank)</p> <p>Reading (Jessen)</p> <p>DeHaan)</p> <p>g and Politics, Economic and Social</p> <p>tion (Marion P. Smith)</p> <p>y Embryology (Tennent)</p> <p>ch Romanticism and Realism (Schenck)</p> <p>gical Seminary (Carpenter), 2-4</p>	<p>Psychology, Minor (Ferree and Rand)</p> <p>Physics, Major (Barnes)</p> <p>Chemistry, Major</p> <p>Geology, Major (T. C. Brown)</p> <p>Biology, Major (Moore)</p> <p>Greek, Lucian (Wright)</p> <p>German Literature (Jessen)</p> <p>French, The Short Story (Schenck)</p> <p>Economics and Politics, Economic and Social Legislation (Marion P. Smith)</p> <p>Seminary in European History</p>	<p>Psychology, Minor (Ferree and Rand)</p> <p>Physics, Major (Barnes)</p> <p>Chemistry, Major</p> <p>Geology, Major (T. C. Brown)</p> <p>Biology, Major (Moore)</p> <p>German Literature (Jessen)</p> <p>French, The Short Story (Schenck)</p> <p>Economics and Politics, Economic and Social Legislation (Marion P. Smith)</p> <p>Greek Seminary, Homeric Question (Wright), 4-6</p> <p>Advanced French Philology (Beck)</p>
<p>Times (Crandall)</p> <p>uation (Shearer)</p> <p>phonetics (Schenck)</p> <p>cian (Wright)</p> <p>retius and Catullus (Frank)</p> <p>ry England under the Stuarts</p> <p>erics (Conner)</p> <p>ry Nervous System (Moore)</p> <p>anetrics (Jessen)</p> <p>usch)</p> <p>ment Greek Seminary (Barton)</p> <p>ain Politics (Fenwick)</p> <p>icvey)</p>	<p>Psychology, Minor (Ferree and Rand)</p> <p>Physics, Major (Barnes)</p> <p>Chemistry, Major</p> <p>Geology, Major (T. C. Brown)</p> <p>Biology, Major (Moore)</p> <p>Descriptive Writing (Langdon)</p> <p>Education (Gordon)</p> <p>Roman Satire (Wheeler)</p> <p>History, England under the Stuarts</p> <p>Greek Seminary, Greek Orators (Sanders), 3-4.30</p> <p>Seminary in English Literature (Chew), 3-4.30</p> <p>Comp. Teutonic Grammar (Lasch)</p> <p>Seminary in French Literature, 3-4.30</p> <p>Spanish Seminary (DeHaan), 3-4.30</p> <p>Hebrew (Barton)</p> <p>Seminary in Social Economy (Kingsbury)</p> <p>Philosophical Journal Club ((Theodore de Laguna, Grace de Laguna, and Avey) 3-4.30</p>	<p>Psychology, Minor (Ferree and Rand)</p> <p>Physics, Major (Barnes)</p> <p>Chemistry, Major</p> <p>Geology, Major (T. C. Brown)</p> <p>Biology, Major (Moore)</p> <p>Education (Gordon)</p> <p>Roman Satire (Wheeler)</p> <p>History, England under the Stuarts</p> <p>English Journal Club (C. F. Brown, Chew, Savage), 3-4.30. Alternate Weeks</p> <p>Old Norse (Lasch)</p> <p>Romance Languages Journal Club (De Haan, Holbrook, Beck, and Schenck), 3-4.30. Alternate Weeks.</p> <p>Archæological Journal Club (Carpenter), 3-4.30. Alternate Weeks</p>
<p>Seminary, Latin Comedy (Wheeler),</p> <p>h German (Lasch)</p> <p>arin Mediæval French Literature</p> <p>ch 4.30-6</p> <p>inary (Holbrook), 4-6</p> <p>ht 1-6</p> <p>luts (Rand) 4-6</p> <p>ara Petrology (Wallis), 4.30-6</p> <p>ara Zoology (Tennent), 4.30-6</p>	<p>Middle English Seminary (C. F. Brown), 4.30-6</p> <p>Seminary in German Literature (Jessen), 4-6</p> <p>Middle Low German (Lasch)</p> <p>Semitic Seminary (Barton)</p> <p>Seminary in Ancient History (Ferguson), 4-6</p> <p>Seminary in Politics (Fenwick), 4-6</p> <p>Seminary in Ethics (Theodore de Laguna), 4.30-6</p> <p>Education Journal Club (Gordon and Castro), 4.30-6</p> <p>Journal Club in History of Art (G. G. King). Alternate Weeks 4.30-6</p> <p>Mathematics (Scott), 4-6</p> <p>Seminary in Physiology (Moore), 4-6</p>	<p>Latin Seminary, Latin Comedy (Wheeler), 4.30-6</p> <p>Middle High German (Lasch)</p> <p>Semitic Seminary (Barton)</p> <p>Seminary in Economics (Marion P. Smith), 4-6</p> <p>Seminary in Methods of Teaching (Gordon), 4-6</p> <p>Seminary in Petrology (Wallis), 4.30-6</p>
<p>German (Lasch)</p>	<p>Gothic (Lasch)</p> <p>Geology Journal Club (Wallis and T. C. Brown)</p>	<p>Old High German (Lasch)</p> <p>Spanish Philology (DeHaan)</p>

SCHEDULE OF LECTURE

Hour	COURSE	MONDAY	TUESDAY
9	MATRICULATION	Greek (Kirk) German (Jeffers)	Greek (Kirk) German (Jeffers)
	GENERAL	Psychology, Div. A (Leuba) Div. B (Avey)	Psychology, Div. A (Leuba) Div. B (Avey)
	MINOR	Greek, Euripides (Sanders) French Reading (Schenck) Introduction to Government and Politics, Div. A (Fenwick) Div. B. (Leake) Greek Sculpture (Carpenter) Mathematics, Calculus (Conner) Chemistry	Greek, Homer (Wright) French Essayists (Beck) Introduction to Government and Pol Div. A (Fenwick) Div. B (Leake) Ancient Rome (Swindler) Mathematics, Algebra (Conner) Chemistry Laboratory
	MAJOR	German Literature (Jessen) Ancient History, Roman Empire (Ferguson) Psychology, Educational (Gordon).	German, Faust (Jessen) Historians of Rome (Ferguson) Psychology, Educational (Gordon)
	ELECTIVE	Biology, Theoretical (Tennent)	British Imperialism (W. R. Smith) Historical Development of Physics
	POST-MAJOR	Inorganic Chemistry	
	GRADUATE	Physics (Barnes) Geology (T. C. Brown)	Geology (T. C. Brown)
10	GENERAL	English Literature, 2nd year (Savage)	English Composition, 2nd year
	MINOR	English Poetry, 1850-1914 (Chew) German Grammar (Lasch) Spanish (DeHaan) History of the Reformation (W. R. Smith) History of the Middle Ages (Leake) Biology (Moore)	English Poetry, 1850-1914 (Chew) German Literature (Jessen) Spanish (DeHaan) History of the Reformation (W. R. History of the Middle Ages (Leake) Biology Laboratory (Moore)
	MAJOR	Philosophy, 19th Century (T. de Laguna) 17th and 18th Century Painting (G. G. King) Geology (Wallis)	Philosophy, 19th Century (T. de L. Renaissance Sculpture (G. G. King) Geology (Wallis)
	ELECTIVE	Private Law (Fenwick)	German, Advanced Composition (L. Astrophysics (Barnes)
	POST-MAJOR	Physics (Huff) Chemistry (Brunel)	Physical Chemistry
11	GENERAL	English Literature, 1st year (Savage)	English Composition, 1st year
	MINOR	Ancient History, Oriental (Barton) Recent Philosophical Theories (Avey)	Ancient History, Classical (Ferguso Recent Philosophical Theories (A Archæology, Minor Arts (Carpente
	MAJOR	Latin Comedy (Wheeler) Italian (Holbrook) Spanish Reading (DeHaan) Physics (Huff) Chemistry (Brunel)	Latin Literature (Frank) Italian (Holbrook) Spanish Literature (DeHaan) Physics (Huff) Chemistry (Brunel)
	ELECTIVE		Descriptive Astronomy (Conner)
	POST-MAJOR	Petrography (Wallis)	Vertebrate Palæontology (T. C. Br
	GRADUATE	Systematic Psychology (Ferree)	
12	MATRICULATION	French (Thayer)	French (Thayer)
	MINOR	Latin, Cicero, Div. C (Wheeler) Div. A (Ferguson) Div. B (Swindler) Italian (Holbrook) Psychology of Instinct, Emotion and Will (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes) Geology (T. C. Brown)	Latin, Horace, Div. B (Frank) Div. C (Swindler) Div. A (Ferguson) Italian (Holbrook) Psychology of Instinct, Emotion (Leuba) Gothic Architecture (G. G. King) Physics Laboratory (Barnes) Geology Laboratory (T. C. Brown)
	MAJOR	Greek, Thucydides (Sanders) Mid. Eng. Poetry, Chaucer (C. F. Brown) English, 19th Century, Fiction (Savage) French Literature History of England Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology (Tennent)	Greek Literature (Wright) Mid. Eng. Poetry, Chaucer (C. F. English, 19th Century Fiction (S French Romantic Drama History of England Econ., Hist. of Econ. Thought (M Mathematics (Scott) Biology (Tennent)
	ELECTIVE		
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

OND SEMESTER, 1915-16.

WEDNESDAY	THURSDAY	FRIDAY
<p>irk) Jeffers)</p> <p>gy, Div. A (Leuba) Div. B (Avey)</p> <p>ripides (Sanders) eading (Schenck) ion to Government and Politics, Div. A (Fenwick) Div. B (Leake) ulpture (Carpenter) tics, Calculus (Conner)</p> <p>omposition and Reading (Lasch) History, Roman Empire (Ferguson) y, Educational (Gordon)</p> <p>of Vertebrates (T. C. Brown)</p> <p>Physiological Chemistry (Moore)</p> <p>Barnes)</p>	<p>Greek (Kirk) German (Jeffers)</p> <p>Psychology, Div. A (Leuba) Div. B (Avey)</p> <p>Greek, Homer (Wright) French Essayists (Beck) Introduction to Government and Politics, Div. A (Fenwick) Div. B (Leake) Ancient Rome (Swindler) Mathematics, Algebra (Conner) Chemistry, Demonstration</p> <p>German, Faust (Jessen) Ancient History, Roman Life (Frank) Psychology, Educational (Gordon)</p> <p>British Imperialism (W. R. Smith)</p> <p>Physics, Journal Club (Huff and Barnes) Geology (T. C. Brown) Biology, Journal Club (Tennent, Moore)</p>	<p>Greek (Kirk) German (Jeffers)</p> <p>Psychology, Div. A (Leuba) Div. B (Avey)</p> <p>Greek, Herodotus (Sanders) French Composition (Schenck) Introduction to Government and Politics, Div. A (Fenwick) Div. B (Leake) Greek Sculpture (Carpenter) Mathematics, Calculus (Conner) Chemistry</p> <p>German Literature (Jessen) Ancient History, Roman Empire (Ferguson) Psychology, Educational (Gordon)</p> <p>New Testament Canon (Barton) Evolution of Vertebrates (T. C. Brown)</p> <p>Physics (Barnes)</p>
<p>terature, 2nd year (Savage)</p> <p>etry, 1850-1914 (Chew) Lasch) DeHaan) the Reformation (W. R. Smith) the Middle Ages (Leake) Moore)</p> <p>19th Century (T. de Laguna) 18th Century Painting, (G. G. King) Wallis)</p> <p>Mathematics (Scott)</p> <p>Huff)</p>	<p>English Composition, 2nd year</p> <p>English Poetry, 1850 to 1914 (Chew) German Literature (Jessen) Spanish (DeHaan) History of the Reformation (W. R. Smith) History of the Middle Ages (Leake) Biology, Demonstration (Moore)</p> <p>Philosophy, 19th Century (T. de Laguna) Renaissance Sculpture (G. G. King) Geology Laboratory (Wallis)</p> <p>Astrophysics (Barnes)</p> <p>Middle High German (Lasch) Physical Chemistry</p>	<p>English Literature, 2nd year (Savage)</p> <p>English Poetry, 1850 to 1914 (Chew) German (Lasch) Spanish (DeHaan) History of the Reformation (W. R. Smith) History of the Middle Ages (Leake) Biology (Moore)</p> <p>Philosophy, 19th century (T. de Laguna) 17th and 18th Century Painting (G. G. King) Geology Laboratory (Wallis)</p> <p>Physics (Huff)</p>
<p>erature, 1st year (Savage)</p> <p>History, Oriental (Barton) Philosophical Theories (Avey)</p> <p>edy (Wheeler) Holbrook) Grammar (DeHaan) Huff) Brunel)</p> <p>Wallis)</p> <p>Psychology (Ferree)</p>	<p>English Composition, 1st year</p> <p>Ancient History, Classical (Ferguson) Recent Philosophical Theories (Avey) Archæology, Minor Arts (Carpenter)</p> <p>Latin Literature (Frank) Italian (Holbrook) Spanish Literature (DeHaan) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)</p> <p>Descriptive Astronomy (Conner)</p> <p>Vertebrate Paleontology (T. C. Brown)</p>	<p>English Literature, 1st year (Savage)</p> <p>Ancient History, Oriental (Barton) Recent Philosophical Theories (Avey)</p> <p>Latin Comedy (Wheeler) Italian (Holbrook) Spanish Reading (DeHaan) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)</p> <p>Petrography (Wallis)</p> <p>Systematic Psychology (Ferree)</p>
<p>ayer)</p> <p>o, Div. C (Wheeler) Div. A (Ferguson) Div. B (Swindler) Holbrook) o of Instinct, Emotion and Will Renaissance Painting (G. G. King) Barnes) C. Brown)</p> <p>ocles (Sanders) Poetry, Chaucer (C. F. Brown) 19th Century Fiction (Savage) and Composition (Schenck) England of Econ. Thought (M. P. Smith) Barnes (Scott) Tennent)</p>	<p>French (Thayer)</p> <p>Latin, Horace, Div. B (Frank) Div. C (Swindler) Div. A (Ferguson)</p> <p>Italian (Holbrook) Psychology of Instinct, Emotion and Will (Leuba) Gothic Architecture (G. G. King) Physics, Demonstration (Barnes) Geology, Demonstration (T. C. Brown)</p> <p>Greek Literature (Wright) Mid. Eng. Poetry, Chaucer (C. F. Brown) English, 19th Century Fiction (Savage) French Romantic Drama History of England Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology Laboratory (Tennent)</p>	<p>French (Thayer)</p> <p>Latin, Cicero, Div. C (Wheeler) Div. A (Ferguson) Div. B (Swindler)</p> <p>Italian (Holbrook) Psychology of Instinct, Emotion and Will (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes) Geology (T. C. Brown)</p> <p>Greek, Thucydides (Sanders) Mid. Eng. Poetry, Chaucer (C. F. Brown) English, 19th Century Fiction (Savage) French Literature History of England Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology Laboratory (Tennent)</p>
<p>Chemistry</p>	<p>Chemistry Journal Club (Brunel)</p>	<p>Physical Chemistry</p>

SCHEDULE OF LECTURE

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Physics, Minor (Barnes) Chemistry, Minor Geology, Minor, Field Work (T. C. Brown) Biology, Minor (Moore)	Physics, Minor (Barnes) Chemistry, Minor Geology, Minor (T. C. Brown) Biology, Minor (Moore)
	ELECTIVE	History of Christian Doctrine (Barton)	History of Christian Doctrine (Barton)
	POST-MAJOR	Greek, Pindar (Sanders) Politics, International Law (Fenwick) Economics and Politics, Social Statistics (Kingsbury) Mathematics (Scott)	Greek, Pindar (Sanders) Spanish (DeHaan) Politics, International Law (Fenwick) Economics and Politics, Social Statistics (Kingsbury) Mathematics (Scott)
	GRADUATE	Cynewulf and Caedmon (C. F. Brown) 2.30-4.30 Metaphysics Seminary (Grace de Laguna), 2-4	
3	LABORATORY WORK	Physics, Minor (Barnes) Chemistry, Minor Geology, Minor, Field Work (T. C. Brown) Biology, Minor (Moore)	Physics, Minor (Barnes) Chemistry, Minor Geology, Minor (T. C. Brown) Biology, Minor (Moore)
	ELECTIVE	Elocution, Reading of Shakespeare (A. S. King)	Elocution, Reading of Shakespeare (A. S. King) Advanced Experimental Psychology
	POST-MAJOR	Latin, Cicero and Cæsar (Frank) History, American Constitutional (William R. Smith)	Latin, Cicero and Cæsar (Frank) History, American Constitutional (William R. Smith) Mathematics (Conner)
	GRADUATE	Teutonic Seminary (Lasch), 3-5 Old Spanish, Readings (DeHaan) Elementary Semitic Languages (Barton) Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Modern Painting (G. G. King), 2-4	Greek Seminary, Greek Orators (Lasch), 3-4.30 Sem. in English Literature (Chew), Old Norse (Lasch) Seminary in French Literature 3-4 Spanish Seminary (DeHaan), 3-4.30 Egyptian (Barton)
4	GRADUATE	Latin Seminary, Cicero's Correspondence (Frank), 4-6 Seminary in Mediæval French Literature (Beck), 4.30-6 Hebrew Literature (Barton) History Journal Club (W. R. Smith and Leake), 4-6. Alternate Weeks. Economics Journal Club (Marion P. Smith, Fenwick and Kingsbury), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Mathematics (Conner), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Conner), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and Conner), 4.30-6. Alternate Weeks Middle English Seminary (C. F. Brown), 4.30-6 German Journal Club (Jessen and Conner), 4.30-6. Alternate Weeks Introduction to Old French Philology (Barton), 4-6 Seminary in European History, 4-6 Seminary in Social Economy (Barton), 4-6 Seminary in Ethics (Theodore Brown and Conner), 4.30-6 Mathematical Journal Club (Conner), Alternate Weeks Psychology of Deficient and Unusually Gifted Children (Leuba), 4-6
5	GRADUATE	Introduction to Teutonic Philology (Lasch)	

OND SEMESTER, 1915-16 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>Psychology, Major (Gordon) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Wallis) Biology, Major (Tennent)</p> <p>Greek, Sophocles, <i>Ajax</i> (Wright)</p> <p>German Literature (Jessen) French, Short Story (Schenck) Economics and Politics, Economic and Social Legislation (Marion P. Smith)</p> <p>Seminary in European History</p>	<p>Psychology, Major (Gordon) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Wallis) Biology, Major (Tennent)</p> <p>German Literature (Jessen) French, Short Story (Schenck) Economics and Politics, Economic and Social Legislation (Marion P. Smith)</p> <p>Greek Seminary, Homeric Question (Wright) 4-6 Advanced French Philology (Beck)</p>	<p>Psychology, Major (Gordon) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Wallis) Biology, Major (Tennent)</p> <p>German Literature (Jessen) French, Short Story (Schenck) Economics and Politics, Economic and Social Legislation (Marion P. Smith)</p> <p>Greek Seminary, Homeric Question (Wright) 4-6 Advanced French Philology (Beck)</p>
<p>Psychology, Major (Gordon) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Wallis) Biology, Major (Tennent)</p> <p>Narrative Writing (Crandall) Education (Gordon)</p> <p>Roman Satire (Wheeler) History, England under the Stuarts</p> <p>Greek Seminary, Greek Orators (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Comparative Teutonic Grammar (Lasch) Seminary in French Literature, 3-4.30 Spanish Seminary (DeHaan), 3-4.30 Hebrew (Barton) Seminary in Social Economy (Kingsbury) Philosophical Journal Club (Theodore de Laguna, Grace de Laguna and Avey), 3-4.30</p>	<p>Psychology, Major (Gordon) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Wallis) Biology, Major (Tennent)</p> <p>Education (Gordon)</p> <p>Roman Satire (Wheeler) History, England under the Stuarts</p> <p>English Journal Club (C. F. Brown, Chew and Savage) 3-4.30. Alternate Weeks Old Norse (Lasch) Romance Languages Journal Club (DeHaan, Holbrook, Beck and Schenck), 3-4.30. Alternate Weeks Archæological Journal Club (Carpenter), 3-4.30. Alternate Weeks</p>	<p>Psychology, Major (Gordon) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Wallis) Biology, Major (Tennent)</p> <p>Education (Gordon)</p> <p>Roman Satire (Wheeler) History, England under the Stuarts</p> <p>English Journal Club (C. F. Brown, Chew and Savage) 3-4.30. Alternate Weeks Old Norse (Lasch) Romance Languages Journal Club (DeHaan, Holbrook, Beck and Schenck), 3-4.30. Alternate Weeks Archæological Journal Club (Carpenter), 3-4.30. Alternate Weeks</p>
<p>Latin Seminary, Latin Comedy (Wheeler), 4.30-6 Middle High German (Lasch) Middle Low German (Lasch) Semitic Seminary (Barton) Seminary in Ancient History (Ferguson), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Ethics (Theodore de Laguna), 4.30-6 Education Journal Club (Gordon and Castro), 4.30-6 Journal Club in History of Art (G. G. King) Alternate Weeks, 4.30-6 Mathematics (Scott), 4-6 Seminary in Physiology (Moore), 4-6</p> <p>Gothic (Lasch) Geology Journal Club, Alternate Weeks, 4-6 (Wallis and T. C. Brown)</p>	<p>Latin Seminary, Latin Comedy (Wheeler), 4.30-6 Middle High German (Lasch) Semitic Seminary (Barton) Seminary in Economics (Marion P. Smith), 4-6 Seminary in Methods of Teaching (Gordon), 4-6 Seminary in Petrology (Wallis), 4.30-6</p> <p>Old High German (Lasch) Spanish Philology (DeHaan)</p>	<p>Latin Seminary, Latin Comedy (Wheeler), 4.30-6 Middle High German (Lasch) Semitic Seminary (Barton) Seminary in Economics (Marion P. Smith), 4-6 Seminary in Methods of Teaching (Gordon), 4-6 Seminary in Petrology (Wallis), 4.30-6</p> <p>Old High German (Lasch) Spanish Philology (DeHaan)</p>

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BRYN MAWR COLLEGE

CALENDAR

GRADUATE COURSES

1916

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BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College,

March, 1916.

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Philadelphia, Pa.

BRYN MAWR COLLEGE CALENDAR

1916.

- PART 1. Register of Alumnae and Former Students.
- PART 2. Graduate Courses.
- PART 3. Undergraduate and Graduate Courses.
- PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1916.														1917.														1918.													
JANUARY							JULY							JANUARY							JULY							JANUARY													
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S							
2	3	4	5	6	7	1	2	3	4	5	6	7	8	7	8	9	10	11	12	13	1	2	3	4	5	6	7	13	14	15	16	17	18	19							
9	10	11	12	13	14	15	9	10	11	12	13	14	15	14	15	16	17	18	19	20	15	16	17	18	19	20	21	13	14	15	16	17	18	19							
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30	31						30	31																																	
FEBRUARY							AUGUST							FEBRUARY							AUGUST							FEBRUARY													
6	7	8	9	10	11	12	6	7	8	9	10	11	12	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23								
13	14	15	16	17	18	19	13	14	15	16	17	18	19	11	12	13	14	15	16	17	12	13	14	15	16	17	18	10	11	12	13	14	15	16							
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27	28	29					27	28	29	30	31			25	26	27	28				26	27	28	29	30	31		24	25	26	27	28									
MARCH							SEPTEMBER							MARCH							SEPTEMBER							MARCH													
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19	20	21	22	23	24	25	17	18	19	20	21	22	23	18	19	20	21	22	23	24	16	17	18	19	20	21	22	17	18	19	20	21	22	23							
26	27	28	29	30	31		24	25	26	27	28	29	30	25	26	27	28	29	30	31	23	24	25	26	27	28	29	24	25	26	27	28	29	30							
APRIL							OCTOBER							APRIL							OCTOBER							APRIL													
2	3	4	5	6	7	1	1	2	3	4	5	6	7	1	2	3	4	5	6	7	8	9	10	11	12	13	14	7	8	9	10	11	12	13							
9	10	11	12	13	14	15	8	9	10	11	12	13	14	15	16	17	18	19	20	21	14	15	16	17	18	19	20	14	15	16	17	18	19	20							
16	17	18	19	20	21	22	15	16	17	18	19	20	21	22	23	24	25	26	27	28	21	22	23	24	25	26	27	21	22	23	24	25	26	27							
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30							29	30						29	30																										
MAY							NOVEMBER							MAY							NOVEMBER							MAY													
7	8	9	10	11	12	13	5	6	7	8	9	10	11	6	7	8	9	10	11	12	4	5	6	7	8	9	10	5	6	7	8	9	10	11							
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28	29	30	31				26	27	28	29	30			27	28	29	30	31			25	26	27	28	29	30		26	27	28	29	30	31								
JUNE							DECEMBER							JUNE							DECEMBER							JUNE													
4	5	6	7	8	9	10	3	4	5	6	7	8	9	3	4	5	6	7	8	9	2	3	4	5	6	7	8	2	3	4	5	6	7	8							
11	12	13	14	15	16	17	10	11	12	13	14	15	16	10	11	12	13	14	15	16	9	10	11	12	13	14	15	9	10	11	12	13	14	15							
18	19	20	21	22	23	24	17	18	19	20	21	22	23	17	18	19	20	21	22	23	16	17	18	19	20	21	22	16	17	18	19	20	21	22							
25	26	27	28	29	30		24	25	26	27	28	29	30	24	25	26	27	28	29	30	23	24	25	26	27	28	29	23	24	25	26	27	28	29							
							31														30	31						30													

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 7th, 1917.

ACADEMIC YEAR, 1916-17.

September 26th.	Matriculation examinations begin.
October 2nd.	Registration of students. Halls of Residence open for students at three p. m.
October 3rd.	Registration of students. Matriculation examinations end.
October 4th.	The work of the thirty-second academic year begins at a quarter to nine o'clock.
October 5th.	Examinations for advanced standing begin.
October 14th.	Senior oral examination in French.
October 21st.	Senior oral examination in German.
October 26th.	Examinations for advanced standing end.
November 20th.	Collegiate and matriculation condition examinations begin.
November 28th.	Collegiate and matriculation condition examinations end.
November 29th.	Thanksgiving vacation begins at one o'clock.
December 4th.	Thanksgiving vacation ends at nine o'clock.
December 9th.	Senior oral examination in French.
December 16th.	Senior oral examination in German.
December 20th.	Christmas vacation begins at one o'clock.
January 4th.	Christmas vacation ends at nine o'clock.
January 18th.	Matriculation examinations begin.
January 23rd.	Matriculation examinations end.
January 24th.	Half-yearly collegiate examinations begin.
February 3rd.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 5th.	Vacation.
February 6th.	Vacation.
February 7th.	The work of the second semester begins at a quarter to nine o'clock.
February 8th.	Examinations for advanced standing begin.
March 1st.	Examinations for advanced standing end.
March 16th.	Announcement of European Fellowships.
March 17th.	Senior oral examination in French.
March 20th.	Mid-semester examination in matriculation Greek.
March 24th.	Senior oral examination in German.
March 26th.	Collegiate and matriculation condition examinations begin.
April 3rd.	Collegiate and matriculation condition examinations end.
April 4th.	Easter vacation begins at one o'clock.
April 12th.	Easter vacation ends at nine o'clock.
May 12th.	Senior oral examinations in French and German.
May 22nd.	Vacation.
May 23rd.	Collegiate examinations begin.

May 31st.	Matriculation examinations begin.
June 2nd.	Collegiate examinations end.
June 6th.	Matriculation examinations end.
June 7th.	Conferring of degrees and close of thirty-second academic year.

ACADEMIC YEAR, 1917-18.

September 25th.	Matriculation examinations begin.
October 1st.	Registration of students. Halls of Residence open for students at three p. m.
October 2nd.	Registration of students. Matriculation examinations end.
October 3rd.	The work of the thirty-third academic year begins at a quarter to nine o'clock.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1915-16.

*President,*M. CAREY THOMAS, PH.D., LL.D.
Office: Taylor Hall.*Dean of the College,*MARION REILLY, A.B.
Office: Taylor Hall.*Recording Dean and Assistant to the President,*ISABEL MADDISON, B.Sc., PH.D.
Office: Taylor Hall.*Secretary of the College,*

EDITH ORLADY, A.B. Office: Taylor Hall.

Recording Secretary,

ABIGAIL CAMP DIMON, A.M. Office: Taylor Hall.

Wardens of the Halls of Residence,

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

MARGARET BONTECOU, A.B., Denbigh Hall.

MARY FRANCES NEARING, A.B., Rockefeller Hall.

BERTHA SOPHIE EHLERS, A.B., Radnor Hall.

LEONORA LUCAS, A.B., Merion Hall.

SARAH NEWTON HALLETT,* A.B., Assistant to the Warden
of Pembroke Hall.*Comptroller,*

SANDY L. HURST. Office: Taylor Hall.

Business Manager,

LOUISE WATSON, A.B. Office: Taylor Hall.

Assistant Business Manager,

CLARA REGINA STAHL, A.B. Office: Taylor Hall.

Junior Bursar,†

ALICE LITTLE, A.B. Office: Rockefeller Hall.

Librarian,

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

Director of Athletics and Gymnastics and Supervisor of Health Department,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician in Chief,*THOMAS F. BRANSON, M.D. Office hours, 8.30 to 9.30 and 2 to 3 daily,
Rosemont, Pa.*Assistant Physician,*FRANCES R. SPRAGUE, M.D. Pembroke Road, Bryn Mawr; Office hours,
The Infirmary, Bryn Mawr College, 4 to 5.30 daily except Sunday.*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1433 Spruce Street,
Philadelphia.

* Left January 5th, 1916.

† This position was held until December 31st, 1915, by Miss Josephine Lemmon, A.B.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1915-16.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumna Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891. Director of the American School of Oriental Study and Research in Palestine, 1902-03; LL.D., Haverford College, 1914.

FLORENCE BASCOM,* PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

* Granted leave of absence for the year 1915-16.

WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, PH.D., *Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY,* A.B., *Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

KARL DETLEV JESSEN,* PH.D., *Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901. University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, PH.D., *Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903. Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

DAVID HILT TENNENT, PH.D., *Professor of Biology.*

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1914. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

CARLETON FAIRCHILD BROWN, PH.D., *Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

JAMES BARNES, PH.D., *Associate Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06; Resident Fellow, University of Manchester, 1915.

RICHARD THAYER HOLBROOK, PH.D., *Associate Professor of Italian.*

A.B., Yale University, 1893; Ph.D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

THEODORE DE LEO DE LAGUNA, PH.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION REILLY, A.B., *Dean of the College and Reader in Philosophy.*

A.B., Bryn Mawr College, 1901. Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newnham College, University of Cambridge, Spring, 1907; Universities of Rome and Siena, 1911-12.

MARION PARRIS SMITH, PH.D., *Associate Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

CLARENCE ERROL FERREE, PH.D., *Associate Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

* Granted leave of absence for the year 1915-16.

AGATHE LASCH, PH.D., *Associate Professor of Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examinations *pro facultate docendi*, Karlsruhe, 1910.

GRACE MEAD ANDRUS DE LAGUNA, PH.D., *Associate Professor of Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, PH.D., *Director of English Essay Work and Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

EDITH ORLADY, A.B., *Secretary of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, 1910-12.

KATE GORDON, PH.D., *Associate Professor of Education.*

Ph.B., University of Chicago, 1900, and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers' College, Columbia University, 1906-07; Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12.

JAMES FULTON FERGUSON, PH.D., *Associate Professor of Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906. A.M., 1907, and Ph.D., 1912. Fellow, Yale University, 1906-09; Instructor in Williams College, 1909-10; Instructor in Greek and Latin, Yale College, 1910-12.

THOMAS CLACHAR BROWN, PH.D., *Associate in Geology.*

A.B., Amherst College, 1904; A.M., Columbia University, 1905, and Ph.D., 1909. Assistant in Paleontology, Columbia University, 1905-07; Geologist to the Board of Water Supply of New York City, 1907-09; Assistant Professor of Geology, Middlebury College, 1909-11; Non-resident Lecturer in Geology, Norwich University, 1909; Assistant Professor of Geology, Pennsylvania State College, 1911-12.

ROGER FREDERIC BRUNEL, PH.D., *Associate Professor of Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, PH.D., *Phebe Anna Thorne Associate Professor of Education and Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03; Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

ARTHUR RUSSELL MOORE, PH.D., *Associate Professor of Physiology.*

A.B., University of Nebraska, 1904; Ph.D., University of California, 1911. Assistant in Physiology, University of California, 1909-11, and Assistant Professor of Physiology, 1911-13.

GERTRUDE RAND, PH.D., *Associate in Experimental and Educational Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, PH.D., *Associate in French and Dean of the College (elect).*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12.

SAMUEL CLAGGETT CHEW, JR., PH.D., *Associate in English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

JEAN BAPTISTE BECK, PH.D., *Associate Professor of Mediæval French Literature.*

Guebwiller, Alsace. Baccalaureate in Rhetoric, Sorbonne, 1900; Baccalaureate in Philosophy, Sorbonne, 1901; Ph.D., University of Strassburg, 1907; State Examination *pro facultate docendi*, 1908. Professor of Latin and German in the Ecole Alsacienne, Paris, 1909; Director of Advanced Courses for Teachers in Gymnasias, University of Vienna, 1910; Professor of French Literature, Wiener Handels-Akademie, 1910; Assistant Professor of Romance Languages, University of Illinois, 1911-14; Instructor in Romance Languages and Literature, University of Chicago, Summer Quarter, 1912.

SUSAN MYRA KINGSBURY, PH.D., *Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate and Professor in Economics, Simmons College, and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

ALBERT EDWIN AVEY, PH.D., *Associate in Philosophy.*

A.B., Yale University, 1908, A.M., 1909, and Ph.D., 1915. Graduate Student, Yale University, 1908-09, 1913-15; University of Berlin, 1912-13; Assistant in Psychological Laboratory, Yale University, 1913-14, and Lecturer in Elementary Logic, Yale University, Spring Term, 1913-14.

GEORGIANA GODDARD KING, A.M., *Associate Professor of the History of Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

RHYS CARPENTER, M.A., *Associate Professor of Classical Archaeology.*

A.B., Columbia University, 1911; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13.

CHARLES GHEQUERE FENWICK, PH.D., *Associate Professor of Political Science.*

A.B., Loyola College, 1898; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

JAMES MILLER LEAKE, PH.D., *Associate in History.*

A.B., Randolph-Macon College 1902; Ph.D., Johns Hopkins University, 1914. Instructor in French and English, Randolph-Macon College, 1901-03; Principal of Ashland High School, Ashland, Va., 1909-11; Johns Hopkins University, 1911-14; University Fellow, Johns Hopkins University, 1913-14.

HOWARD LEVI GRAY, PH.D., *Professor of History.*

A.B., University of Rochester, 1897; A.B., Harvard University, 1898, A.M., 1900, and Ph.D., 1907. Instructor in History, Harvard University, 1909-13, and Assistant Professor of History, 1914-15.

JAMES LLEWELLYN CRENSHAW, PH.D., *Associate in Physical Chemistry.*

A.B., Centre College, 1907, and A.M., 1908; Ph.D., Princeton University, 1911. Assistant Chemist in the Geo-Physical Laboratory of the Carnegie Institution, Washington, D. C., 1910-15.

OLIVE C. HAZLETT, PH.D., *Associate (elect) in Mathematics.*

A.B., Radcliffe College, 1912; S.M., University of Chicago, 1913; Ph.D., University of Chicago, 1915. Fellow in Mathematics, University of Chicago, 1913-15; Holder of the Fellowship of the Boston Branch of the Association of Collegiate Alumnae, 1914-15; Alice Freeman Palmer Fellow (elect) of the Association of Collegiate Alumnae, 1915-17. Alice Freeman Palmer Fellow of Wellesley College, 1915-16, and Fellow (elect) 1916-17.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*
Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

PIERRE FRANÇOIS GIROUD, D.L., *Licencié-ès-Lettres, Non-resident Lecturer in French.*

Lyons, France. *Bachelier-ès-lettres*, University of France, 1874, and *Licencié-ès-lettres*, 1881; D.L., Temple University, 1914; Officier d'Académie, 1904; Officier de l'Instruction publique, 1905. Ecole des Hautes-Etudes, Chartreux, Lyons; Sorbonne, Collège de France, 1881-85; Director, Ecole Ste. Marie, Chalon, 1886-88; Teacher of French in the Delancey School, 1889-96, and in the Agnes Irwin School, Philadelphia, 1889-1915; in Girard College, Philadelphia, 1896-1912; Special Lecturer on French Literature, Johns Hopkins University, 1907-11; University of Pennsylvania, 1912-15; Cornell University (Summer School), 1913-14.

HOWARD JAMES SAVAGE,* PH.D., *Lecturer in English Literature and Rhetoric.*

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13 and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09; 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915.

BENJAMIN FRANKLIN WALLIS,† PH.D., *Lecturer in Geology.*

A.B., Johns Hopkins University, 1910, and Ph.D., 1915. Instructor in Science in the High School, Clifton, N. J., 1912-13; Instructor in Mineralogy and Petrology, Northwestern University, 1913-14; Hopkins Scholar, Johns Hopkins University, 1911-12, 1914-15.

CHARLES CLINTON BRAMBLE, A.M., *Lecturer in Mathematics.*

Ph.B., Dickinson College, 1912, and A.M., 1913. Assistant in Physics, Dickinson College, 1911-12; Instructor in Montclair Academy, 1912-13; Hopkins Scholar, Johns Hopkins University, 1913-15.

OSCAR F. W. FERNSEMER,‡ PH.D., *Lecturer in German Literature.*

Munich, Germany. Ph.D., University of Munich, 1912. Head of Modern Language Department in the High School, Cranford, N. J., 1913-14.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98. Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899-1915.

MARY JEFFERS,§ A.M., *Reader in German and Oral Examiner in French and German.*

A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895-98, 1903-04, 1906-07; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1895-98; Student at the Universities of Munich and Halle, 1898-99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900-01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1899-1907; Student, University of Bonn, Summer of 1905; Private Tutor, 1892-1914; Supervisor of College Preparatory Department, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905-07; Lecturer on European Travel, Miss Wright's School, 1904-15, and Teacher of Latin, 1911-15; French and German oral examiner, 1909-14.

EDNA ASTON SHEARER, PH.D., *Reader in English.*

A.B., Bryn Mawr College, 1904, and Ph.D., 1914. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-09, and Graduate Student, Bryn Mawr College, 1907-08.

MARY HAMILTON SWINDLER, PH.D., *Reader in Latin and Reader and Demonstrator in Classical Archæology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12.

* Appointed as substitute for Professor Lucy Martin Donnelly in 1915-16.

† Appointed as substitute for Professor Florence Bascom in 1915-16.

‡ Appointed as substitute for Professor Karl Detlev Jessen in 1915-16.

§ Granted leave of absence for the year 1915-16.

IDA LANGDON, Ph.D., *Reader in English.*

A.B., Bryn Mawr College, 1903; A.M., Cornell University, 1910, and Ph.D., 1912. Cornell University, 1909-12.

ESTHER CLOUDMAN DUNN, A.B., *Reader in English.*

A.B., Cornell University, 1913.

ELLEN THAYER, A.B., *Reader in French.*

A.B., Bryn Mawr College, 1907. The Sorbonne, Paris, 1909-11. Teacher of French in Wolfe Hall, Denver, Colo., 1911-12.

CLARA WHITNEY CRANE, A.B., *Reader in English.*

A.B., Radcliffe College, 1914.

EDITH CHAPIN CRAVEN, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1899. Graduate Student, Bryn Mawr College, 1899-1900.

ELLY WILHELMINA LAWATSCHEK,* A.B., *Reader in German.*

Teplitz, Austria. A.B., University of Washington, 1913. Teacher of German, University of Washington, 1911-14; Teacher of German in the Walnut Hill School and Graduate Student, Wellesley College, 1914-15.

ELLEN ELIZABETH HILL, B.L., *Reader in English.*

B.L., Smith College, 1891.

HELEN HUSS PARKHURST, A.M., *Reader and Demonstrator (elect) in the History of Art.*

A.B., Bryn Mawr College, 1911, and A.M., 1913. Teacher of English and History in the Dwight School, Englewood, N. J., 1911-12; Graduate Scholar in Philosophy, Bryn Mawr College and Tutor in English, 1912-13; President's European Fellow and Student, University of Cambridge and the Sorbonne, 1913-14; Fellow in Philosophy, Bryn Mawr College, 1914-15; Honorary Fellow in Philosophy, Johns Hopkins University, 1915-16.

ANGIE LILLIAN KELLOGG, A.M., *Reader (elect) in Social Economy and Social Research.*

A.B., Vassar College, 1903, and A.M., 1904. Fellow in Philosophy, Bryn Mawr College, 1911-13, and Fellow by Courtesy and Graduate Scholar, 1913-14.

MARY EDITH PINNEY, A.M., *Demonstrator in Biology.*

A.B., University of Kansas, 1908, and A.M., 1910. Teaching Fellow in Zoology, University of Kansas, 1909-10, and High School Instructor, Alma, Kan., 1908-09; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, University of Kansas, 1912-13.

DOROTHY OCHTMAN, A.B., *Demonstrator in the History of Art.*

A.B., Smith College, 1914.

EDITH HAMILTON LANMAN, A.M., *Demonstrator in Chemistry.*

A.B., Radcliffe College, 1914; A.M., University of California, 1915. Graduate Student, University of California, 1914-15.

SUE AVIS BLAKE, A.M., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics, 1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.

LUCIA HELEN SMITH,† A.B., *Demonstrator in Physics.*

A.B., Vassar College, 1915.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian.*

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-13.

* Appointed as substitute for Miss Mary Jeffers in 1915-16.

† Resigned February 1st, 1916.

HELEN COREY GEDDES, A.B., B.S., *Head Cataloguer.*

A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12.

SARAH WOOSTER ENO, A.B., *Circulation and Reference Librarian.*

A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12.

MARY LOUISE TERRIEN, A.B., *Assistant to the Circulation and Reference Librarian.*

A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics and Supervisor of Health Department.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, Summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mt. Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

CYNTHIA MARIA WESSON, A.M., *Assistant to the Director of Athletics and Gymnastics.*

A.B., Bryn Mawr College, 1909, and A.M., 1914. Graduate of the Sargent School for Physical Education, Boston, Mass., 1913. Graduate Scholar in Biology, Bryn Mawr College, 1913-14.

ADMINISTRATIVE AND EXECUTIVE APPOINTMENTS.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

MARION REILLY, A.B., *Dean of the College and Reader in Philosophy.*

A.B., Bryn Mawr College, 1901. Graduate Student, Bryn Mawr College, 1901-02, 1903, 1903-06; Newnham College, University of Cambridge, Spring 1907; Universities of Rome and Siena, 1911-12.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

EDITH ORLADY, A.B., *Secretary of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, 1910-12.

ABIGAIL CAMP DIMON, A.M., *Recording Secretary.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09; Demonstrator in Biology, Bryn Mawr College, 1911, and Reader in Biology, 1911-12.

SANDY LEE HURST, *Comptroller.*

LOUISE WATSON, A.B., *Business Manager*.

A.B., Bryn Mawr College, 1912. Teacher in Marshall College, Huntington, W. Va., 1913-14.

CLARA REGINA STAHL, A.B., *Assistant Business Manager*.

A.B., University of Michigan, 1915. Welfare Worker, 1909; Registrar, Greensboro College, 1910-12, and Bursar, 1913.

JOHN J. FOLEY, *Superintendent of Mechanical Equipment*.

THOMAS F. FOLEY, *Superintendent of Buildings and Grounds*.

HALLS OF RESIDENCE.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall*.

A.B., Bryn Mawr College, 1889.

MARGARET BONTECOU, A.B., *Warden of Denbigh Hall*.

A.B., Bryn Mawr College, 1909. Bryn Mawr European Fellow, 1909-10; Student, Universities of Munich and Oxford, 1910-11; Settlement Worker, Orange Social Settlement, 1912-13; Private Tutor and Secretary, 1913-14.

MARY FRANCES NEARING, A.B., *Warden of Rockefeller Hall*.

A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14.

BERTHA SOPHIE EHLERS, A.B., *Warden of Radnor Hall*.

A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13.

LEONORA LUCAS, A.B., *Warden of Merion Hall*.

A.B., Bryn Mawr College, 1912. Graduate Student, Northwestern University, 1912-13; Professor of Romance Languages, Brenau College, Gainesville, Ga., 1913-15.

SARAH NEWTON HALLETT,* A.B., *Assistant to the Warden of Pembroke Hall*.

A.B., Brown University, 1901. Graduate Student, Brown University, 1905-06, 1909-10; Graduate Scholar in History, Bryn Mawr College, 1914-15.

ALICE LITTLE,† A.B., *Junior Bursar*.

A.B., Western College, 1889.

HEALTH DEPARTMENT APPOINTMENTS.

In cooperation with the President of the College, the Dean of the College and the Supervisor of the Health Department.

THOMAS F. BRANSON, M.D., *Physician in Chief*.

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

FRANCES R. SPRAGUE, B.L., M.D., *Assistant Physician of the College*.

B.L., University of California, 1886; M.D., Woman's Medical College of Pennsylvania, 1891. Visiting Physician and Surgeon, Children's Department, Children's Hospital of San Francisco, 1898-1910; Visiting Surgeon, Woman's Hospital of Pennsylvania, and Consulting Surgeon, West Philadelphia Hospital for Women; Practicing Physician, Bryn Mawr, Pa., 1910-16.

HELEN MURPHY, M.D., *Examining Oculist*.

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

* Resigned January 5th, 1916.

† Mrs. Elwin Little.

The following physicians have consented to serve as consultants:

- THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consulting Physician*.
- GEORGE DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist*.
- ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon*.
- FRANCIS R. PACKARD, M.D., 302 S. Nineteenth Street, Philadelphia, *Consultant Aurist and Laryngologist*.
- JAMES K. YOUNG, M.D., 222 S. Sixteenth Street, Philadelphia, *Consultant Orthopædist*.
- G. C. DAVIS, M.D., 1814 Spruce Street, Philadelphia, *Consultant Orthopædist*.

ADMINISTRATIVE AND EXECUTIVE MANAGERS AND ASSISTANTS.

- BESSIE HOMER JENNINGS, *Assistant Cataloguer*.
Graduate, Drexel Institute Library School, 1900.
- MERTIE WATSON, *Assistant to the Librarian*.
- FRIEDA SEGELKE MILLER, A.B., *Statistical Secretary to the Director of the Carola Woerishoffer Department of Social Research*.
A.B., Milwaukee-Downer College, 1911. Graduate Student, University of Chicago, 1911-15.
- ELLEN ELISABETH HILL, B.L., *Secretary to the President*.
B.L., Smith College, 1891.
- MARY WARREN TAYLOR, *Secretary to the Department of Athletics and Gymnastics and Recording Secretary to the Health Department*.
- GENEVIEVE ESTELLE POTTER, *Bookkeeper and Assistant to the Comptroller*.
- MABEL GRAY THOMAS, *Stenographer and Assistant Bookkeeper in the Comptroller's Office*.
- HELEN MAGEE, A.B., *Stenographer to the President*.
A.B., University of Michigan, 1914. Graduate Student, Bryn Mawr College, 1915.
- SARAH EVELYN MARTIN, A.B., *Stenographer to the Dean of the College*.
A.B., University of Chicago, 1914. Secretary and Registrar, Shorter and Brenau College, 1909-11; Secretary and Registrar, Randolph-Macon Woman's College, 1911-13; Student, University of Chicago, 1913-14, and Graduate Student, 1915.
- ELEANORA IREDALE, *Stenographer to the Recording Dean and Assistant to the President*.
- ELLEN BEULAH LEWIS, A.B., *Stenographer to the Secretary of the College*.
A.B., Swarthmore College, 1906; Assistant to the Editor at the Commercial Museum, Philadelphia, 1906-13.
- EDITH SHERWOOD, *Stenographer in the Business Manager's Office*.
Drexel Institute Secretarial School, 1911-12.
- NANCY C. CRIST, *Stenographer in the Business Manager's Office*.
- BERTHA SHORTLAND, *Telephone Clerk*.

DEPARTMENT OF EDUCATION.

PHEBE ANNA THORNE MODEL SCHOOL.

MATILDE CASTRO, PH.D., *Director and Teacher of English and History.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Chicago, 1901-03; Instructor in Philosophy, Mt. Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Associate Professor of Education, Bryn Mawr College.

KATE GORDON, PH.D., *Psychologist to the Phebe Anna Thorne Model School.*

Ph.B., University of Chicago, 1900, and Ph.D., 1903. Scholar in Pedagogy, University of Chicago, 1900-01, and Fellow in Philosophy, 1901-03; European Fellow of the Association of Collegiate Alumnae, 1903-04; Instructor in Ethics and Psychology, Mt. Holyoke College, 1904-05, and in Teachers' College, Columbia University, 1906-07; Substitute Professor of Philosophy, Mt. Holyoke College, Second Semester, 1911-12; Phebe Anna Thorne Associate Professor of Education, Bryn Mawr College.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902. Non-Resident Lecturer in English Diction, Bryn Mawr College.

EUNICE MORGAN SCHENCK, PH.D., *Teacher of French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and Madrid, 1910-12. Associate in French, Bryn Mawr College.

PLACIDO DE MONTOLIU, *Teacher of Jaques-Dalcroze Eurythmics (Singing, Dancing).*

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Hellerau, Germany.

CONSTANCE M. K. APPLEBEE, *Teacher of Gymnastics and Sports and Games.*
Director of Gymnastics and Athletics, Bryn Mawr College.

MARY HAMILTON SWINDLER, PH.D., *Teacher of Latin.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12. Reader in Latin, Bryn Mawr College.

ANNA WHITMAN CLARK, A.B., *Teacher of Elementary Science and Arithmetic.*

A.B., Vassar College, 1898. Private Assistant to Professor Brookover in Biological Laboratory, Colorado College, 1899-1900; Teacher of Science and Mathematics in Miss Butt's School, Norwich, Conn., 1906-11, and in Miss Walker's School, Lakewood, N. J., 1911-14; Summer Session, Teacher's College, Columbia University, 1914.

VIRGINIA WRIGHT GARBER, *Teacher of Drawing and Modelling.*

Student, the Pennsylvania Museum and School of Industrial Art, the Philadelphia Academy of Fine Arts, and Pupil of Jules Lefebvre, Benjamin Constant, Professor Charles Roth, William M. Chase, Child Hassam, and Howard Pyle. Head of the White Gate Studios, Bryn Mawr, Pa., 1911-15.

GERTRUDE RAND, PH.D., *Psychologist to the Phebe Anna Thorne Model School.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13. Associate in Educational and Experimental Psychology, Bryn Mawr College.

FLORENCE NICE BECKLEY, A.B., *Secretary to the Director.*

A.B., Vassar College, 1907. Simmons College, 1909-10. Secretary to the President, Newton Theological Institution, 1910-14.

ELLEN THAYER, A.B., *Teacher of French.*

A.B., Bryn Mawr College, 1907. The Sorbonne, Paris, 1909-11. Teacher of French in Wolfe Hall, Denver, Colo., 1911-12; Reader in French, Bryn Mawr College.

ETHEL VIRGINIA HUNLEY, A.B., *Teacher of History.*

A.B., Barnard College, 1915.

LOUISE MAY TATTERSHALL, A.B., *Teacher of Mathematics.*

A.B., Barnard College, 1908. Assistant Principal of the High School, White Haven, Pa., 1909-11; Student, Teacher's College Summer School, 1914; Teacher of Mathematics, Wykeham Rise, 1914-15.

MARION ALCOTT BALLOU, A.B., *Teacher of English.*

A.B., Mt. Holyoke College, 1910. Teacher of English and Latin in the High School, Sanford, Me., 1910-11; Teacher in the Perkins Institute for the Blind, Watertown, Mass., 1911-13; and Teacher in Miss Gilbert's School, Woonsocket, R. I., 1913-15.

STUDENTS.

Fellows and Graduate Students, Academic Year, 1915-16.

- GERTRUDE HILDRETH CAMPBELL, *Mary E. Garrett European Fellow.*
 Providence, R. I. A.B., Brown University, 1911, and A.M., 1912. Tutor in English, Brown University, 1912; Graduate Scholar in English, Bryn Mawr College, 1912-13; Fellow in English, 1913-14; Graduate Scholar and Fellow by Courtesy, 1914-15; Student in the British Museum, London, 1915-16.
- CHARLOTTE D'EVELYN, *Mary E. Garrett European Fellow.*
 San Francisco, Cal. B.L., Mills College, 1911; University of California, Summer, 1912. Teacher in the Public Schools, Bloomington, Idaho, Jan.-Jun., 1912, and in Sanger, Cal., 1912-13; Graduate Scholar in English, Bryn Mawr College, 1913-15; Student in the British Museum, London, 1915-16.
- YVONNE STODDARD, *Bryn Mawr European Fellow.*
 Boston, Mass. Prepared by Miss Haskell and Miss Dean's School, Boston. First Bryn Mawr Matriculation Scholar for the New England States, 1906-07. A.B., Bryn Mawr College, 1913. Student, University of Oxford, 1915, 1916.
- LILLIAN ROSANOFF, *Helen Schaeffer Huff Memorial Fellow.*
 New York City. A.B., Barnard College, 1908; A.M., Columbia University, 1911; Ph.D., Clark University, 1914. Teacher of Mathematics in Hunter College, 1908-10, and in New York City High Schools, 1910-12, and 1914-15.
- AGNES CARR VAUGHAN, *Fellow in Greek.*
 Tampa, Fla. A.B., Galloway College, 1907; A.M., University of Michigan, 1910. Fellow, University of Michigan, 1910-11. Associate in Greek and Latin, Hardin College, Mexico, Mo., 1911-15.
- ELIZABETH LOUISE DAVIS, *Fellow in Latin.*
 Jeffersonville, Ind. A.B., Indiana University, 1910, and A.M., 1914. Assistant Principal of the Second High School, Gaston, Ind., 1910-11, and Principal of the High School, 1911-12; Teacher of Latin and Ancient History in the High School, Jeffersonville, Ind., 1913-15.
- MARY ELIZABETH BARNICLE, *Fellow in English.*
 Providence, R. I. A.B., Brown University, 1913. Teacher in Evening School, Providence, 1910-11; Graduate Scholar in English, Bryn Mawr College, 1913-15.
- RUTH PERKINS, *Fellow in German.*
 Abington, Mass. A.B., Wellesley College, 1912; A.M., Radcliffe College, 1913. Assistant in German and Latin in the High School, Belchertown, Mass., 1913-14; Graduate Scholar in German, Bryn Mawr College, 1914-15.
- GRETCHEN TODD, *Fellow in Romance Languages.*
 Milburn, N. J. A.B., Smith College, 1913. Student in Madrid, Spain, 1913-15.
- AMY BLANCHE GREENE, *Fellow in Semitic Languages and Biblical Literature.*
 Cincinnati, O. A.B., Miami University, 1907; A.M., University of Chicago, 1914. Teacher of Bible in Cincinnati Missionary Training School, 1911-15.
- JEANETTE UNGER, *Fellow in Economics.*
 New York City. A.B., Barnard College, 1914, and A.M., Columbia University, 1915. Graduate Student, Columbia University, 1914-15.
- ELSA MAY BUTLER, *Carola Woerishoffer Fellow in Social Economy and Social Research.*
 St. Louis, Mo. A.B., Vassar College, 1905, and A.M., Washington University, 1914. Teacher in the High School, Neligh, Neb., 1905-06; in Akeley Hall, Grand Haven, Mich., 1906-08, and in Hasmer Hall, St. Louis, Mo., 1908-12. Assistant Head Worker of the Social Service Department of St. Louis Children's Hospital, 1912-15.

- CORA LOUISE FRIEDLINE**,.....*Fellow in Psychology.*
 Lincoln, Neb. A.B., University of Nebraska, 1913, and A.M., 1915. Scholar in Philosophy, University of Nebraska, 1914-15.
- HELEN MORNINGSTAR**,.....*Fellow in Geology.*
 Columbus, O. A.B., Ohio State University, 1913, and A.M., 1915. Teaching Fellow in English, Ohio State University, 1913-15.
- JANE MARION EARLE**,.....*British Scholar.*
 Croydon, England. Newnham College, Cambridge, 1907-10; Mathematical Tripos, Part 1, 1908, Part 2, 1910. Training College for Women, Cambridge, 1910-11. Teacher of Mathematics in the Girls' High School, Leeds, 1911-15.
- GWEN ANN JONES**,.....*British Scholar.*
 Bala, Wales. B.A., University College of Wales, 1909, and M.A., 1914. Teacher in the Girls' Intermediate School, Pontypool, Wales, 1910-15.
- MARY RHYS**,.....*British Scholar.*
 Blandford, Dorset, England. M.A., with Honours in English, Glasgow University, 1915.
- OCTAVIA ELFRIDA SAUNDERS**,.....*British Scholar.*
 Mayfield, Sussex, England. M.A., St. Andrews University, 1910-14, with Honours in Modern Languages. Assistant Lecturer in German, St. Andrews University, 1914-15.
- FRIDA MARGARETE CLARA HOEHNE**,.....*German Scholar.*
 Berlin, Germany. Student, University of Berlin, 1913-14, and University of Jena, 1914-15. Teacher in the English School for Girls, Dresden, 1906-08, and in the Lyceum, Berlin, 1911-13.
- ELIZABETH DARLINGTON ADAMS**,.....*Scholar in English.*
 New London, Conn. A.B., Vassar College, 1915.
- LOUISE ELIZABETH WHETENHALL ADAMS**,.....*Scholar in Greek.*
 Brooklyn, N. Y. A.B., Barnard College, 1914, and A.M., 1915. Graduate Student, Columbia University, 1914-15.
- GRACE ALBERT**,.....*History.*
 Bryn Mawr, Pa. A.B., Bryn Mawr College, 1897, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08; Graduate Scholar in History and Economics and Politics, 1902-03; Fellow in History and Student, University of London, engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04; Head of Department of History in the Misses Shipley's School, Bryn Mawr, 1906-15.
- BEATRICE ALLARD**,...*Scholar in Semitic Languages and Biblical Literature.*
 Boston, Mass. A.B., Mt. Holyoke College, 1915.
- MARION ALCOTT BALLOU**,.....*English and Education.*
 Woonsocket, R. I. A.B., Mt. Holyoke College, 1910. Teacher of English and Latin in the High School, Sanford, Me., 1910-11; Teacher in the Perkins Institute for the Blind, Watertown, Mass., 1911-13; Teacher in Miss Gilbert's School, Woonsocket, R. I., 1913-15; Teacher of English in the Phebe Anna Thorne Model School, Bryn Mawr, 1915-16.
- HAZEL KATHERINE BARNETT**,.....*Scholar in Psychology.*
 Bedford, Pa. A.B., Bryn Mawr College, 1915.
- GRACE BARTHOLOMEW**,.....*Education.*
 Philadelphia. A.B., Bryn Mawr College, 1913. Teacher in Miss Mills's School, Mt. Airy, Philadelphia, 1914-15, and in Miss Hills's School, Ardmore, 1915-16.
- LOUISE GOEBEL BECK**,*.....*French.*
 Bryn Mawr, Pa. A.B., University of Illinois, 1912. Substitute Teacher of German, Civics, and Algebra in the High School, Champaign, Ill., 1912-13.
- FLORENCE NICE BECKLEY**,.....*Education.*
 Newton Centre, Mass. A.B., Vassar College, 1907. Simmons College, 1910-11. Secretary to the President, Newton Theological Institution, 1910-14.

* Mrs. Jean Baptiste Beck.

- SUE, AVIS BLAKE.....*Chemistry.*
Merion, Pa. A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, 1904-06; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, Bryn Mawr College, 1906-07; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.
- MARGARET BONTECOU,.....*History.*
Orange, N. J. A.B., Bryn Mawr College, 1909. Bryn Mawr European Fellow, 1909-10; Student, Universities of Munich and Oxford, 1910-11; Settlement Worker, Orange Social Settlement, 1912-13; Secretary and Private Tutor, 1913-14; Warden of Denbigh Hall, 1914-16.
- MARGARET SAEGER BRADWAY,.....*Scholar in Romance Languages.*
Haverford, Pa. A.B., Bryn Mawr College, 1915.
- MARGUERITE JENNIE BRECKENRIDGE,.....*Scholar in Mathematics.*
Grove City, Pa. A.B., Grove City College, 1913. Teacher in the High School, Centerville, Pa., 1913-15.
- IDA MARGARET BRINGARDNER,.....*English, History and History of Art.*
Columbus, O. A.B., Ohio State University, 1915.
- ANNA HAINES BROWN,.....*History.*
Philadelphia. A.B., Bryn Mawr College, 1915.
- ALICE HILL BYRNE,.....*Graduate Scholar in Latin.*
Lancaster, Pa. A.B., Wellesley College, 1908. Teacher of Latin and Greek in the Union High School, Coleraine, Pa., 1894-96, and Principal, 1899-1900; in Mrs. Blackwood's School, Lancaster, 1896-99, and 1900-01; Associate Principal and Teacher of Latin and Greek in Miss Stahr's School, Lancaster, 1901-05; Principal of the Shippen School, Lancaster, 1905-09; Teacher of Latin and Greek in Miss Hills's School, Philadelphia, 1909-11; Graduate Student, Bryn Mawr College, 1908-10, 1911-14, and Graduate Scholar in Greek, 1910-11, and in Latin, 1914-15; Teacher of Latin and Greek in the Baldwin School, Bryn Mawr, 1911-12, 1913-15, and in charge of the Lower School, 1912-13.
- ALICE SQUIRES CHEYNEY,
English, Social Economy and Social Research, and Psychology.
Philadelphia. A.B., Vassar College, 1909. Philadelphia Training Course for Social Workers, 1909-10; Graduate Student, University of Pennsylvania, 1910-11.
- ANNA WHITMAN CLARK,.....*Biology.*
Binghamton, N. Y. A.B., Vassar College, 1898. Private Assistant to Professor Brookover in Biological Laboratory, Colorado College, 1899-1900; Teacher of Science and Mathematics in Miss Butt's School, Norwich, Conn., 1905-11, and in Miss Walker's School, Lakewood, N. J., 1911-14; Summer Session, Teacher's College, Columbia University, 1914; Teacher of Elementary Science and Arithmetic in the Phebe Anna Thorne Model School, 1914-16.
- MARGUERITE JOZELLE COWAN,.....*Penn College Scholar.*
Oskaloosa, Ia. Ph.B., Penn College, 1915.
- EDITH CHAPIN CRAVEN,*.....*French.*
Wayne, Pa. A.B., Bryn Mawr College, 1899. Graduate Student, Bryn Mawr College, 1899-1900; Reader in English, Bryn Mawr College, 1915-16.
- ELIZABETH BEATRICE DAW,....*Fellow by Courtesy and Scholar in English.*
Spottswood, N. J. A.B., Vassar College, 1909, and A.M., University of Pennsylvania, 1910. Reader in English, Bryn Mawr College, 1912-14; Fellow in English, 1914-15.
- MARY DOAN,.....*Guilford College Scholar.*
Indianapolis, Ind. A.B., Guilford College, 1915.
- ESTHER CLOUDMAN DUNN,.....*English.*
South Portland, Me. A.B., Cornell University, 1913. Lecturer in English, Maine State Summer School, 1914; Reader in English, Bryn Mawr College, 1914-16.
- ELISABETH ALWARD EAMES,.....*English, French and History of Art.*
Wahiawa, Oahu, H. T. B.L., University of California, 1914.

* Mrs. Thomas Truxton Tingey Craven.

- GRACE FRANK,* *English and French.*
Bryn Mawr, Pa. A.B., University of Chicago, 1906. Graduate Student, Bryn Mawr College, 1908-10, 1913-16.
- HELEN GENEVIEVE FULLER,
..... *Carola Woerishoffer Scholar in Social Economy and Social Research.*
Amesbury, Mass. A.B., Mt. Holyoke College, 1915.
- MARGARET MADELEINE GEORGE, *History and Economics and Politics.*
Sudlersville, Md. A.B., Western Maryland College, 1915.
- MARY ALICE HANNA, *Fellow by Courtesy in History.*
Trenton, Mo. A.B., University of Missouri, 1909, and B.S., 1911. Teacher in the High School, Vandalia, Mo., 1909-11; Graduate Student, Bryn Mawr College, 1911-12, Fellow in History, 1912-13, and Graduate Scholar and Fellow by Courtesy in History, 1914-15; Mary E. Garrett European Fellow and Research Student in the British Museum, London, and London School of Economics, 1913-14.
- MILDRED HARDENBROOK, *Fellow by Courtesy in Greek.*
Valatie, N. Y. A.B., Vassar College, 1908, and A.M., 1909. Graduate Scholar in Greek, Bryn Mawr College, 1911-12, 1913-14; Fellow in Greek, 1914-15.
- FLORENCE MAY HARPER, *Scholar in Romance Languages.*
Seattle, Wash. B.L., Mills College, 1913. Graduate Scholar in Romance Languages, Bryn Mawr College, 1914-15.
- JANE ANNETTA HARRISON, *Teutonic Philology.*
La Plata, Mo. A.B. and B.S., University of Missouri, 1906, and A.M., 1907. Scholar in Germanic Languages, University of Missouri, 1906-07, and Graduate Student, 1908-09; Teacher in the High School, Sedalia, Mo., 1907-08; Fellow in German, Bryn Mawr College, 1909-10; Ottendorfer Memorial Research Fellow, and Student in Universities of Berlin and Heidelberg, 1910-11; Teacher in the High School, St. Charles, Mo., 1911-13; Scholar and Fellow by Courtesy in German, Bryn Mawr College, 1913-14; Instructor in German in the Misses Shipley's School, Bryn Mawr, 1914-16.
- HELEN FRANCES HARVEY, *Scholar in Biology.*
Oberlin, O. A.B., Oberlin College, 1915.
- ALICE PHILENA FELICIA HUBBARD,
..... *Fellow by Courtesy and Scholar in Romance Languages.*
Austin, Tex. B.S., University of Texas, 1900, and A.M., 1902. University of Chicago Summer School, 1904, 1905. Fellow in Spanish, University of Texas, 1899-1902; Tutor in Spanish, University of Texas, 1902-08, and Instructor in Spanish, 1908-13; Graduate Student, Bryn Mawr College, 1913-14; and Fellow in Romance Languages, 1914-15.
- ETHEL VIRGINIA HUNLEY, *Education.*
New York City. A.B., Barnard College, 1915. Teacher of History in the Phebe Anna Thorne Model School, 1915-16.
- FLORENCE CATHERINE IRISH, *History.*
Norristown, Pa. A.B., Bryn Mawr College, 1914.
- MILDRED CLARK JACOBS, *Social Economy and Social Research.*
Philadelphia. A.B., Bryn Mawr College, 1916.
- MATHILDA JEPSEN, *English, History and Politics.*
Gardnerville, Nev. A.B., University of Nevada, 1912. Teacher in the High School, Douglas County, Nevada, 1912-15.
- MILDRED LEWIS JUSTICE, *Scholar in Education.*
Ardmore, Pa. A.B., Bryn Mawr College, 1915.
- JULIA BRAINERD KESSEL, *History and Politics.*
Cresco, Ia. A.B., Grinnell College, 1914.
- MARY BARBARA KOLARS, *Scholar in English.*
Le Sueur Center, Minn. A.B., University of Minnesota, 1913.

* Mrs. Tenney Frank.

ELLY WILHELMINA LAWATSCHKE, *Teutonic Philology and Philosophy*.
 Tepitz, Austria. A.B., University of Washington, 1913; Graduate Student, Wellesley
 College, 1914-15; Assistant in German, University of Washington, 1909-13; German
 Instructor, Walnut Hill High School, Natick, Mass., 1914-15; Reader in German, Bryn
 Mawr College, 1915-16.

ELIZABETH THRUSTON LEAKE, * *English*.
 Bryn Mawr, Pa. A.B., Goucher College, 1910. Assistant Principal of the High School,
 Ashland, Va., 1910-11.

LEONORA LUCAS, *French and Spanish*.
 Evanston, Ill. A.B., Bryn Mawr College, 1912. Graduate Student, Northwestern Uni-
 versity, 1912-13; Professor of Romance Languages, Brenau College, Gainesville, Ga.,
 1913-15.

EDITH REBECCA MACAULEY, *Scholar in English*.
 Medina, N. Y. A.B., University of Michigan, 1915.

JANET MALCOLM MACDONALD, *Scholar in Archæology*.
 Fort Dodge, Ia. A.B., Morningside College, 1910. A.M., University of Illinois, 1913,
 Assistant Principal in the High School, Aurelia, Ia., 1911-12; Instructor in Latin,
 Morningside College, 1913-15.

HELEN MAGEE, *English and French*.
 Easton, Pa. A.B., University of Michigan, 1914. Stenographer to the President, Bryn
 Mawr College, 1914-16.

RUTH COE MANCHESTER, *Scholar in Latin*.
 Winsted, Conn. A.B., Bryn Mawr College, 1913. Teacher of Languages and History
 in the High School, Canaan, Conn., 1913-15.

GRACE MEDES, *Fellow by Courtesy in Biology*.
 Kansas City, Mo. A.B., University of Kansas, 1904, and A.M., 1913. Fellow in Biology,
 Bryn Mawr College, 1913-15.

JESSIE ELIZABETH MINOR, *Scholar in Chemistry*.
 Springfield, Mo. B.S., Drury College, 1904. Graduate Student, University of Chicago,
 Summer 1906, 1907, and University of Pennsylvania, 1908-10. Substitute Professor of
 Chemistry, Drury College, 1906-08; Professor of Chemistry, Huguenot College, Wellin-
 gton, S. Africa, 1911-14; Graduate Scholar in Chemistry, Bryn Mawr College, 1914-15.

WILLAVENE SOBER MORRIS, † *English*.
 Chestnut Hill, Pa. A.B., College for Women of Western Reserve University, 1908.

MARY FRANCES NEARING, *Social Economy and Social Research*.
 Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's
 School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's
 School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14;
 Warden of Rockefeller Hall, 1914-16.

DOROTHY OCHTMAN, *Archæology*.
 Cos Cob, Conn. A.B., Smith College, 1914. Demonstrator in the History of Art, Bryn
 Mawr College, 1914-16.

HAZEL GRANT ORMSBEE,
Carola Woerishoffer Scholar in Social Economy and Social Research.
 Ithaca, N. Y. A.B., Cornell University, 1915.

MARY EDITH PINNEY, *Biology*.
 Wilson, Kans. A.B., University of Kansas, 1908, and A.M., 1910. Teacher in High
 School, Alma, Kans., 1908-09; Teaching Fellow in Zoology, University of Kansas,
 1909-10; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow
 and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-
 12; Instructor in Zoology, University of Kansas, 1912-13; Demonstrator in Biology,
 and Fellow by Courtesy in Biology, Bryn Mawr College, 1913-14, and Demonstrator in
 Biology, 1914-16.

* Mrs. James Miller Leake.

† Mrs. Herbert C. Morris.

- ELEANOR FERGUSON RAMBO,.....*Ancient History and Archaeology.*
Philadelphia. A.B., Bryn Mawr College, 1908, A.M., 1909. Scholar in Greek, Bryn Mawr College, 1908-09; Graduate Student in Latin, 1909-10, and in Archaeology, 1911-12, 1914-15; Teacher of Mathematics in the Misses Kirk's School, Bryn Mawr, 1909-10; Private Tutor, 1910-11; Teacher of Latin in Miss Wright's School, Bryn Mawr, and Private Tutor, 1911-16.
- EMMA SELLERS ROBERTSON,.....*Education.*
Philadelphia. A.B., Bryn Mawr College, 1913. Teacher of French in the Chatham Episcopal Institute, Chatham, Va., 1912-14, and in Miss Cruice's School, Philadelphia, and in Miss Roney's School, Philadelphia, 1914-16.
- EDITH FORSYTH SHARPLESS,....*Biblical Literature and Semitic Languages.*
Haverford, Pa. A.B., Bryn Mawr College, 1905; A.M., Columbia University, 1910. Teacher of History and Latin in Guilford College, 1905-09; Teacher in Friends' Mission, Tokyo, 1910-12 and in Mito, Japan, 1912-15.
- EDNA ASTON SHEARER,.....*Philosophy.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1904, and Ph.D., 1914. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's Fellowship and Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-09, and Graduate Student, Bryn Mawr College, 1907-08; Reader in English, Bryn Mawr College, 1908-16 and Reader in Philosophy, 1914-15.
- LUCIA HELEN SMITH,.....*Chemistry.*
New York City. A.B., Vassar College, 1915. Demonstrator in Physics, Bryn Mawr College, First Semester, 1915-16.
- LILLIAN SOSKIN,.....*Scholar in Economics.*
New York City. A.B., Barnard College, 1915.
- LOUISE MARY TATTERSHALL,.....*Education and Mathematics.*
White Haven, Pa. A.B., Barnard College, 1908, Teachers' College Summer School, 1914. Assistant Principal of the High School, White Haven, 1909-11; Teacher of Mathematics in Wykeham Rise, Washington, Conn., 1914-15, and in the Phebe Anna Thorne Model School, Bryn Mawr, 1915-16.
- MARY LOUISE TERRIEN,.....*German.*
Nashua, N. H. A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15. Assistant to the Circulation and Reference Librarian, Bryn Mawr College, 1915-16.
- FRANCES HOWARD TETLOW,.....*Social Economy and Social Research.*
Boston, Mass. A.B., Radcliffe College, 1908. Teacher of English Composition in the Winsor School, Boston, 1909-15.
- ELLEN THAYER,.....*French.*
London, England. A.B., Bryn Mawr College, 1907. Student at the Sorbonne, 1909-11; Teacher of French in Wolfe Hall, Denver, Col., 1911-12; Reader in French, Bryn Mawr College, 1914-16.
- ELISE TOBIN,.....*Scholar in Chemistry.*
Brooklyn, N. Y. B.S., Barnard College, 1915.
- HELEN LORING TUFTS,.....*Earlham College Scholar.*
Vernon, N. Y. A.B., Earlham College, 1915.
- BEULAH LOUISE WARDELL,*.....*Scholar in English.*
Columbus, O. A.B., Ohio State University, 1913, and A.M., 1915. Fellow in English, Ohio State University, 1913-14, and Graduate Assistant in English, 1914-15.
- AMEY EATON WATSON,†.....*Social Economy and Social Research.*
Haverford, Pa. A.B., Women's College in Brown University, 1907; A.M., University of Pennsylvania, 1910. Teacher in Miss Wheeler's School, Providence, R. I., 1907-08; Instructor in the Department of Social Science, University of Utah, 1912.
- DOROTHY VIVIAN WESTON,
Carola Woerishoffer Scholar in Social Economy and Social Research.
New York City. A.B., Bryn Mawr College, 1914; College Settlements Association Joint Fellow, 1915-16.

* Mrs. Miles L. Hanley.

† Mrs. Frank D. Watson.

- HELEN EMMA WIEAND, *Latin*.
 Pottstown, Pa. A.B., Mt. Holyoke College, 1906, and A.M., 1908. Graduate Scholar in Latin and Archaeology, Bryn Mawr College, 1907-09; Teacher of Latin and German in the High School, Phoenixville, Pa., 1909-10; Student in Pottstown Business College, 1910-11; Secretary to the Dean of the Philadelphia College of Pharmacy, 1911; Instructor in Latin in Wheaton College, Norton, Mass., 1911-13, and Assistant Professor 1913-15.
- MARGUERITE WILLCOX, *Fellow by Courtesy in Chemistry*.
 Oxford, N. Y. A.B., Mt. Holyoke College, 1913. Graduate Scholar in Chemistry, Bryn Mawr College, 1913-14, and Fellow in Chemistry, 1914-15.
- MARGARET WOODBURY, *Scholar in History*.
 Columbus, O. A.B., Ohio State University, 1915.

Former Holders of European Fellowships.

- BALCH, EMILY GREENE, 130 Prince Street, Jamaica Plain, Mass.
 Holder of the Bryn Mawr European Fellowship, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin. Student in Political Science, Conservatoire des Arts et des Métiers, Paris, and under the direction of Professor Emile Levasseur, 1890-91; University of Chicago, 1895; University of Berlin, 1895-96; Member of Board of Trustees for Children of the City of Boston, 1897-98; Assistant in Economics, Wellesley College, 1896-97, Instructor in Economics, 1897-1903, Associate Professor of Economics and Sociology, 1903-12, and Acting Head of the Department, 1907-13; Professor of Political Economy and Political and Social Science, 1913-16.
- BECKER, AMANDA FREDERICKA, 5709 Von Versen Avenue, St. Louis, Mo.
 Holder of the President's European Fellowship, 1903-04. B.Sc., Missouri State University, 1901, and A.M., 1902. Holder of Teaching Fellowship, Missouri State University, 1901-02; Graduate Scholar, Bryn Mawr College, 1902-03; Student, University of Göttingen, 1903-04; Teacher of Mathematics in the Yeatman High School, St. Louis, 1904-08, and in the Soldan High School, St. Louis, 1909-11.
 Married, 1911, *Mr. William Hardy Montague*.
- BILLMEYER, HELEN MAY, 250 Midland Avenue, Montclair, N. J.
 Holder of the Bryn Mawr European Fellowship, 1902-03. A.B., Bryn Mawr College, 1902, group, History and Political Science; University of Berlin, 1903-04; Private Tutor, 1910-11; Teacher in the Baldwin School, Bryn Mawr, 1911-16.
- BLEY, HELEN MÜLLER, 2 Sixth Street, N. E., Washington, D. C.
 Holder of the Bryn Mawr European Fellowship, 1910-11. A.B., Bryn Mawr College, 1910, group, Greek and Latin. Student, University of Munich, 1910-12; University of Athens, 1912-13; Private Tutor, 1913-14; Teacher of Latin, Greek, and Ancient History in St. Margaret's School, Waterbury, Conn., 1914-15; Translator in U. S. Department of Agriculture, Washington, 1915-16.
- BONTECOU, MARGARET, 150 Highland Avenue, Orange, N. J.
 Holder of the Bryn Mawr European Fellowship, 1909-10. A.B., Bryn Mawr College, 1909, group, History and Economics and Politics. Student, Universities of Munich and Oxford, 1910-11; Private Tutor and Settlement Worker, 1911-13; Private Secretary and Tutor, 1913-14; Warden of Denbigh Hall, Bryn Mawr College, 1914-16.
- BORING, ALICE MIDDLETON, University of Maine, Orono, Me.
 Holder of the Mary E. Garrett European Fellowship, 1907-08. A.B., Bryn Mawr College, 1904, group, Chemistry and Biology, A.M., 1905, and Ph.D., 1910, subjects, Zoology and Physiology. Graduate Scholar in Biology, and Assistant in the Biological Laboratory, Bryn Mawr College, 1904-05; Moore Fellow in Zoology, University of Pennsylvania, 1905-06; Fellow in Biology, Bryn Mawr College, 1906-07; Instructor in Zoology, Vassar College, 1907-08; Student, University of Würzburg, and Zoological Station, Naples, 1908-09; Instructor in Zoology, University of Maine, 1909-11, Assistant Professor, 1911-13, and Associate Professor of Biology, 1913-16.
- BOURLAND, CAROLINE BROWN, 10 West Street, Northampton, Mass.
 Holder of the Mary E. Garrett European Fellowship, 1900-01. A.B., Smith College, 1893; Ph.D., Bryn Mawr College, 1905, subjects, Spanish, Old French, and Italian. Teacher of French and German in Mrs. Starrett's School, Oak Park, Ill., 1895-96, and in the High School, Peoria, 1896-97; Student, Sorbonne and Collège de France, 1897-98; Fellow in Romance Languages, Bryn Mawr College, 1898-99; Graduate Scholar

and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1899-1900, 1901-02; Student in Romance Languages, Madrid, Spain, 1900-01; Instructor in Spanish and French, Smith College, 1902-06, Associate Professor, 1906-13, and Professor, 1913-16.

BREED, MARY BIDWELL, 5317 Westminister Street, Pittsburgh, Pa.

Holder of the Bryn Mawr European Fellowship, 1894-95. A.B., Bryn Mawr College, 1894, group, Chemistry and Biology, A.M., 1895, and Ph.D., 1901, subjects, Chemistry and Mathematics. Graduate Student and Assistant in the Chemical Laboratory, Bryn Mawr College, 1894-95; Student in Chemistry, University of Heidelberg, 1895-96; Professor of Science, Pennsylvania College for Women, 1897-99; Fellow by Courtesy and Graduate Scholar in Mathematics, Physics, and Chemistry, Bryn Mawr College, 1899-1901; Dean of Women and Assistant Professor of Chemistry, Indiana University, 1901-06; Student in Paris and Italy, 1909-10; Adviser of Women, University of Missouri, 1906-12; Associate Head and Teacher of English, St. Timothy's School, Catonsville, and Alumnæ Director, Bryn Mawr College, 1912-13; Dean of the Margaret Morrison Carnegie School of the Carnegie Institute of Technology, Pittsburgh, 1913-16.

BROOKS, HARRIET, 990 Queen Mary's Road, Montreal, Canada.

Holder of the President's European Fellowship, 1902-03. A.B., McGill University, 1898, and A.M., 1901. Graduate Student, McGill University, 1898-99; Tutor in Mathematics, and Research Student in Physics, Royal Victoria College, 1899-1901; Fellow in Physics, Bryn Mawr College, 1901-02; Student, University of Cambridge, England, 1902-03; Lecturer in Mathematics, Royal Victoria College of McGill University, Montreal, 1903-04; Tutor in Physics, Barnard College, 1904-06; Research Student, Sorbonne, 1906-07.

Married, 1907, *Mr. Frank H. Pitcher*. One daughter, two sons.

BROWN, VERA LEE, Centreville, New Brunswick, Canada.

Holder of the President's European Fellowship, 1914-15. A.B., McGill University, 1912, and A.M., 1913. Graduate Scholar in History, Bryn Mawr College, 1913-14, and Graduate Scholar and Fellow by Courtesy, 1914-15.

BROWNELL, LOUISE SHEFFIELD, Clinton, N. Y.

Holder of the Bryn Mawr European Fellowship, 1893-94. A.B., Bryn Mawr College, 1893, group, Greek and Latin. Student in Greek and English, University of Oxford, England, and University of Leipsic, 1893-94; Graduate Student in Greek, Columbia College, 1894-95, and Graduate Student in English, 1895-96; Graduate Student in Greek and English, Bryn Mawr College, 1896-97; Warden of Sage College, and Lecturer in English Literature, Cornell University, 1897-1900; Associate Head of the Balliol School, Utica, N. Y., 1900-05; Private Tutor, 1905-16.

Married, 1900, *Mr. Arthur Percy Saunders*. Two daughters, two sons.

BRUSSTAR, MARGARET ELIZABETH, . . 708 North 63rd Street, Philadelphia.

Holder of the Mary E. Garrett European Fellowship, 1911-12. A.B., Bryn Mawr College, 1903, group, Latin and Mathematics. Teacher of Latin and Mathematics in Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-08, Graduate Student, Bryn Mawr College, 1906-07, 1908-09, Graduate Scholar in Mathematics, 1907-08; Fellow in Mathematics, 1910-11; Student, University of Göttingen, 1911-12; Head of Department of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1908-10, 1912-16.

CADY, MARY LOUISE, 48 North Church Street, Decatur, Ga.

Holder of the Mary E. Garrett European Fellowship, 1906-07. A.B. and A.M., Radcliffe College, 1904. Graduate Scholar in Greek, Bryn Mawr College, 1904-05; Fellow in Greek, Bryn Mawr College, 1905-06; Student, University of Berlin, 1906-07; Teacher in the Agnes Scott College, Decatur, Ga., 1907-08, Professor of Greek, 1908-10, and Professor of History, 1910-16.

CAM, NORA, Paulers Pury Rectory, Towcester, England.

Holder of the Bryn Mawr European Fellowship, 1912-13. A.B., Bryn Mawr College, 1912, and A.M., 1913. Graduate Scholar in Mathematics, Bryn Mawr College, 1912-13; Teacher of Mathematics in the Baldwin School, Bryn Mawr, 1911-13; Student, University of Rome, 1913-14; Teacher in Miss Edgar's School, Montreal, Canada, 1914-16.

CAMPBELL, GERTRUDE HILDRETH, See page 18.

Holder of the Mary E. Garrett European Fellowship, 1914-15.

CLAFLIN, EDITH FRANCES, 17 Felton Hall, Cambridge, Mass.

Holder of the Mary E. Garrett European Fellowship, 1899-1900. A.B., Radcliffe College, 1897; Ph.D., Bryn Mawr College, 1906, subjects, Greek and Latin. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1897-98, and Graduate Student, 1898-99; Student at the American School of Classical Studies, Athens, 1899-1900; Private Research Work, Harvard University Library, 1900-01; Instructor in Literature in the Prospect

- Hill School, Greenfield, Mass., 1901-02, and in Classics and Classical History, 1902-07; Instructor in Greek and Latin, and Head of the Classical Department, Monticello Seminary, Godfrey, Ill., 1907-13; Instructor in Latin and the History of Art in the Courtland School, Bridgeport, Conn., 1913-14; Instructor in Greek and Latin in the Laurel School, Cleveland, O., 1914-16.
- COULTER, CORNELIA CATLIN, 207 Adams Avenue, Ferguson, Mo.
Holder of the President's European Fellowship, 1908-09. A.B., Washington University, 1907; Ph.D., Bryn Mawr College, 1911, subjects, Latin and Greek. Graduate Scholar in Latin, Bryn Mawr College, 1907-08, Fellow in Latin, 1909-10, and Fellow in Greek, 1910-11; Student, University of Munich, 1908-09; Reader in Latin, Bryn Mawr College, 1911-12; Teacher of Latin in St. Agnes School, Albany, N. Y., 1912-16.
- DODD, KATHARINE, 18 Concord Avenue, Cambridge, Mass.
Holder of the Bryn Mawr European Fellowship, 1914-15. A.B., Bryn Mawr College, 1914. Teacher in Miss Haskell's School, Boston, 1914-16.
- EDDINGFIELD, JUNE CHRISTINA, New Ross, Ind.
Ottendorfer Memorial Research Fellow, 1914-15. Fellow in German, 1913-14. A.B., University of Indiana, 1906. Student, University of Indiana, Summer Semesters, 1908, 1910, 1911, 1912. Assistant Principal of the High School, Swayzee, Ind., 1906-08; Head of German Department in the High School, Elwood, Ind., 1908-12; Graduate Scholar in German, Bryn Mawr College, 1912-13; Teacher of German in the High School, Wingate, Ind., 1914-15, and in the High School, Mishawaka, Ind., 1915-16.
- ELLIS, ELLEN DEBORAH, Mt. Holyoke College, South Hadley, Mass.
Holder of the Bryn Mawr European Fellowship, 1901-02. A.B., Bryn Mawr College, 1901, group, History and Political Science, A.M., 1902, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Student, Bryn Mawr College, 1901-02, 1903-04; Fellow in Economics and Politics, 1904-05; Student, University of Leipsic, 1902-03; Instructor in History, Mt. Holyoke College, 1905-08; Associate Professor and Acting Head of the Department of History, 1908-09; Associate Professor of Pure Economics and Political Science, 1909-11, and Associate Professor of History and Political Science, 1911-16; on leave of absence and Teacher of History in the American College, Constantinople, 1913-15.
- EMERY, ANNE CROSBY, 163 George Street, Providence, R. I.
Holder of the Bryn Mawr European Fellowship, 1892-93. A.B., Bryn Mawr College, 1892, group, Greek and Latin, and Ph.D., 1896, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1892-93; Student, University of Leipsic, 1893-94; Secretary to the President, and Graduate Student, Bryn Mawr College, Second Semester, 1894-95, and 1895-96; Dean of Women and Assistant Professor of Classical Philology, University of Wisconsin, 1897-1900; Dean of the Women's College in Brown University, 1900-05; Alumnae Member of the Board of Directors of Bryn Mawr College, 1906-09; Writer and Lecturer, 1913-16.
- Married, 1905, *Professor Francis Greenleaf Allinson.*
- FLEISHER, ELEANOR LOUIE, 1715 Spruce Street, Philadelphia.
Holder of the Bryn Mawr European Fellowship, 1903-04. A.B., Bryn Mawr College, 1903, group, English and German. Graduate Student, Bryn Mawr College, 1903-04, 1906-07.
- Married, 1908, *Dr. David Riesman.* Two sons.
- FOSTER, FRANCES ALLEN, 381 Angell Street, Providence, R. I.
Holder of the Mary E. Garrett European Fellowship, 1912-13. A.B., Brown University, 1909, Ph.D., Bryn Mawr College, 1913, subjects, English Philology, English Literature and Old French. Scholar in English, Bryn Mawr College, 1909-11; Fellow in English, 1911-12; Student in London and Oxford, 1912-13. Research Scholar and Fellow by Courtesy in English and Assistant to the Warden of Pembroke Hall, 1913-14; Instructor in English, Carleton College, Northfield, Minn., 1914-16.
- GIBBONS, VERNETTE LOIS, Mills College, Oakland, Cal.
Holder of the President's European Fellowship, 1912-13. Sc.B., Mt. Holyoke College, 1896, and A.B., 1899; M.Sc., University of Chicago, 1907; M.Sc., University of the Cape of Good Hope, 1908. Teacher in the High School, Bernardstown, Mass., 1896-97; Assistant in Chemistry, Mt. Holyoke College, 1897-99, and Instructor in Chemistry, 1899-1901; Instructor in Chemistry and Mineralogy, Wells College, 1902-04, and Associate Professor of Chemistry, 1905-06; Lecturer and Head of Department of Chemistry, Huguenot College, Wellington, South Africa, 1907-11, and on leave of absence, 1911-12; Fellow in Chemistry, Bryn Mawr College, 1911-12; Student, University of Munich, 1912-13; and Graduate Student, Bryn Mawr College, 1913-14; Helen Schaeffer Huff Research Fellow in Physics, 1914-15; Professor of Chemistry, Mills College, 1915-16.

GILES, ELLEN ROSE, Died, 1914.

Holder of the President's European Fellowship, 1897-98. A.B. and A.M., Bryn Mawr College, 1896, group, Greek and Semitic Languages. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1896-97, and Graduate Scholar in Philosophy, 1897-98; Student in Philosophy, University of Berlin, 1898-99, and Sorbonne, 1899; Private Tutor, 1899-1901; Editorial and Journalistic Work, 1901-06.

HALL, EDITH HAYWARD, 3715¹ Chestnut Street, Philadelphia.

Holder of the Mary E. Garrett European Fellowship, 1903-04. A.B., Smith College, 1899; Ph.D., Bryn Mawr College, 1908, subjects, Archaeology and Greek. Teacher of Greek and History in Woodstock Academy, Woodstock, Conn., 1899-1900; Teacher of Latin and Greek in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01 and 1905-09; Graduate Student, Bryn Mawr College, 1900-01, 1905-09, and Graduate Scholar, 1901-03; Holder of the Agnes Hoppin Memorial Fellowship and Student at the American School of Classical Studies, Athens, 1903-05; Instructor in Archaeology, Mount Holyoke College, Second Semester, 1908-09, 1909-11; excavating in Eastern Crete, Second Semester, 1910-11, 1911-12; Assistant Curator, University Museum, Philadelphia, 1912-15.

Married, 1915, *Mr. Joseph M. Dohan.*

HAMILTON, EDITH, 1312 Park Avenue, Baltimore, Md.

Holder of the Mary E. Garrett European Fellowship, 1895-96. A.B. and A.M., Bryn Mawr College, 1894, group, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1894-95; Student, Universities of Leipsic and Munich, 1895-96; Head Mistress of the Bryn Mawr School, Baltimore, 1896-1916.

HAMILTON, MARGARET, 1312 Park Avenue, Baltimore, Md.

Holder of the Bryn Mawr European Fellowship, 1897-98. A.B., Bryn Mawr College, 1897, group, Chemistry and Biology. Student, Collège de France and University of Munich, 1898-99; Teacher of Science, Bryn Mawr School, Baltimore, 1900-10, and Head of the Primary Department, 1910-16.

HANNA, MARY ALICE, See page 21.

Holder of the Mary E. Garrett European Fellowship, 1913-14, and Fellow in History, 1912-13.

HARDY, CORA, ... 105 East 19th Street, New York City.

Holder of the Bryn Mawr European Fellowship, 1899-1900. A.B., Bryn Mawr College, 1899, group Latin and French. Student at the Sorbonne, Collège de France and University of Oxford, 1899-1900; Teacher of Greek and English in Ward Seminary, Nashville, Tenn., and Graduate Student, Vanderbilt University, 1902-03; Teacher of English and Literature in St. Timothy's School, Catonsville, Md., 1903-06.

Married, 1906, *Mr. Edwin Seton Jarrett.* Two sons.

HARMON, ESTHER, 2139 Glenwood Avenue, Toledo, O.

Holder of the President's European Fellowship, 1907-08; Holder of the Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1909-10. A.B., University of Michigan, 1906. Ph.D., Bryn Mawr College, 1912, subjects, German Literature, Teutonic Philology and Modern History. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-08; Fellow in German, Bryn Mawr College, 1908-09; Student, University of Munich, 1909-10; Teacher in the High School, Toledo, 1910-12; Instructor in German, Normal College of New York, 1912-15.

HARRISON, JANE ANNETTA, See page 21.

Holder of the Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1910-11.

HILL, VIRGINIA GREER, 3417 Race Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1907-08. A.B., Bryn Mawr College, 1907, group, Latin and Mathematics. Student, University of Zürich, 1907-08; Teacher of Latin and Mathematics in the Agnes Irwin School, Philadelphia, 1908-14.

Married, 1914, *Mr. Julian Alexander.*

KING, HELEN MAXWELL, Smith College, Northampton, Mass.

Holder of the Mary E. Garrett European Fellowship, 1910-11. A.B., Olivet College, 1907, and A.M., 1908. Graduate Student, Bryn Mawr College, 1908-09; Fellow in Romance Languages, 1909-10. Private Secretary to the United States Minister to Siam, 1910-12; Graduate Scholar, Bryn Mawr College, Second Semester, 1912-13; Student, Sorbonne and Collège de France, 1913-14; Instructor in French Language and Literature, Smith College, 1914-16.

LAIRD, ELIZABETH REBECCA, . . . Mt. Holyoke College, South Hadley, Mass.

Holder of the President's European Fellowship, 1898-99. A.B., University of Toronto, 1896; Ph.D., Bryn Mawr College, 1901, subjects, Physics and Mathematics. Teacher in Ontario Ladies' College, 1896-97; Fellow in Physics, Bryn Mawr College, 1897-98; Student, University of Berlin, 1898-99; Graduate Scholar and Fellow by Courtesy in Mathematics and Physics, Bryn Mawr College, 1900-01; Instructor in Physics, Mount Holyoke College, 1901-03, Acting Head of the Department of Physics, 1903-04, and Professor of Physics, 1904-16; on leave of absence, Sara Berliner Research Fellow and Student, University of Würzburg, 1913-14.

LANGENBECK, CLARA, 803 North Eutaw Street, Baltimore, Md.

Holder of the President's European Fellowship, 1896-97. Ph.G., Cincinnati College of Pharmacy, 1890; S.B., University of Cincinnati, 1895. Fellow in Biology, Bryn Mawr College, 1895-96; Student, University of Marburg, 1896-98; Professor of Biology, Wells College, 1898-1901; Instructor in the Cincinnati College Preparatory School for Girls, 1901-11; Fellow by Courtesy and Graduate Scholar in Biology, Bryn Mawr College, 1911-12; Student, Johns Hopkins Medical School, 1912-14.

LEFTWICH, FLORENCE, Biltmore, N. C.

Holder of the Bryn Mawr European Fellowship, 1895-96. Wellesley College, 1884-85. A.B., Bryn Mawr College, 1895, group, French and Latin, and Ph.D., 1906, subjects, Old French, Latin, and Spanish. Student, Sorbonne and Collège de France, 1895-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1896-98; Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1898-99; Holder of the European Fellowship of the Baltimore Association for the Promotion of the University Education of Women, and Student, University of Zürich, 1899-1900; Teacher of French in the Bryn Mawr School, Baltimore, Md., 1900-01; Graduate Student, Bryn Mawr College, 1902; Fellow in Romance Languages, Bryn Mawr College, 1902-03.

Married, 1903, *Mr. S. Prioleau Ravenel*.

LEWIS, FLORENCE PARTHENIA, . . 2435 N. Charles Street, Baltimore, Md.

Holder of the President's European Fellowship, 1899-1900. A.B., University of Texas, 1897, and A.M., 1898; A.M., Radcliffe College, 1906; Ph.D., Johns Hopkins University, 1913. Fellow in Philosophy, Bryn Mawr College, 1898-99; Student, Sorbonne and Collège de France, 1899-1900; Teacher in the University Preparatory School, Austin, Tex., 1900-02; Student, University of Texas, 1901-03; Tutor in Mathematics, University of Texas, 1902-05; Fellow of the Baltimore Association for the Promotion of the University Education of Women and Graduate Student, Johns Hopkins University, 1907-09; Fellow by Courtesy, Johns Hopkins University, 1912-13; Instructor in Mathematics, Goucher College, 1910-11, Assistant Professor of Mathematics, 1911-13, and Associate Professor of Mathematics, 1913-16.

LEWIS, MAYONE, 4324 Pine Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1908-09. A.B., Bryn Mawr College, 1908, group, Greek and Latin. Student, Universities of Munich and Paris, 1908-09; Teacher of English, Rosemary Hall, Greenwich, Conn., 1909-15.

LOWENGRUND, HELEN MOSS, . . . 1356 Madison Avenue, New York City.

Holder of the Bryn Mawr European Fellowship, 1906-07. A.B., Bryn Mawr College, 1906, group, Latin and English, and A.M., 1907. Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Scholar in English, 1907-08, and Graduate Student in English, 1909-10; Research Student in British Museum, 1910-11; Teacher of History in the Girls' High School, Philadelphia, 1909-10, and of English, 1911-15.

Married, 1915, *Mr. George W. Jacoby*.

MADDISON, ISABEL, 217 Roberts Road, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1894-95. University College of South Wales and Monmouthshire, 1885-89; Girton College, University of Cambridge, England, 1889-92; Mathematical Tripos, First Class, 1892; Oxford Mathematical Final Honour School, 1892; B.Sc., University of London, Mathematical Honours, 1893; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics, Applied Mathematics and Physics; A.B., Trinity College, Dublin, 1905. Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Student in Mathematics, University of Göttingen, 1894-95; Assistant Secretary to the President, Bryn Mawr College, 1895-96; Secretary to the President, and Reader in Mathematics, 1896-1904; Assistant to the President and Reader in Mathematics, 1904-06, and Assistant to the President and Associate in Mathematics, 1906-10; Recording Dean and Assistant to the President, 1910-16.

MARTIN, EMILIE NORTON, . . . Mt. Holyoke College, South Hadley, Mass.

Holder of the Mary E. Garrett European Fellowship, 1897-98. A.B., Bryn Mawr College, 1894, group, Latin and Mathematics, and Ph.D., 1901, subjects, Mathematics and Physics. Graduate Student, Bryn Mawr College, First Semester, 1894-95, 1896-97,

- 1901-02, 1906-07; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., January-June, 1895; Fellow in Mathematics, Bryn Mawr College, 1895-96; Student, University of Göttingen, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1898-99; Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1899-1900; Private Tutor, 1899-1903; Instructor in Mathematics, Mt. Holyoke College, 1903-04, First Semester, 1904-05, 1907-11, and Associate Professor of Mathematics, 1911-16.
- MORSE, KATE NILES, 24 Park Street, Haverhill, Mass.
Holder of the Mary E. Garrett European Fellowship, 1901-02. A.B., Mt. Holyoke College, 1898, and A.M., 1900. Graduate Student, Bryn Mawr College, 1898-99; Fellow in Greek, Bryn Mawr College, 1900-01; Universities of Berlin and Munich, and American School of Classical Studies, Athens, 1901-02; Graduate Student, Radcliffe College, 1903, 1906-07.
- NICHOLS, HELEN HAWLEY, Pomeroy Hall, Wellesley, Mass.
Holder of the Mary E. Garrett European Fellowship, 1908-09. A.B., Marietta College, 1906; Ph.D., Bryn Mawr College, 1911, subjects, Hebrew, Aramaic and New Testament Greek. Graduate Student, Bryn Mawr College, 1906-07, and Graduate Scholar in Semitic Languages, 1907-08, 1909-10; Student, University of Oxford, 1908-09; Instructor in Biblical History, Wellesley College, 1911-15.
- NOWLIN, NADINE, 1144 Louisiana Street, Lawrence, Kan.
Holder of the President's European Fellowship, 1906-07. A.B. and A.M., University of Kansas, 1903. Fellow in Biology, Bryn Mawr College, 1905-06; Demonstrator in Biology, University of Kansas, 1906-08; Graduate Student, University of Munich, 1908-09; Zoological Station, Naples, 1909; Instructor in Zoology, University of Kansas, 1910-13, and Assistant Professor of Zoology, 1913-16.
- PARK, MARION EDWARDS, 1529 Bolton Street, Baltimore, Md.
Holder of the Bryn Mawr European Fellowship, 1898-99. A.B., Bryn Mawr College, 1898, group, Greek and English, and A.M., 1899. Graduate Student, Bryn Mawr College, 1898-99, 1912-14; Graduate Student, Autumn Quarter, University of Chicago, 1900-01; American School of Classical Studies, Athens, Greece, 1901-02; Instructor in Classics, Colorado College, 1902-03, 1904-06, and Acting Dean of Women, 1903-04; Teacher in Miss Wheeler's School, Providence, R. I., 1906-09; Acting Dean of the College, Bryn Mawr College, 1911-12; Assistant Professor of Classics, Colorado College, 1914-15; Graduate Student, Johns Hopkins University, 1915-16.
- PARKHURST, HELEN HUSS, Englewood, N. J.
Holder of President's European Fellowship, 1913-14. A.B., Bryn Mawr College, 1911, and A.M., 1913. Teacher in the Dwight School, Englewood, 1911-12; Graduate Scholar in Philosophy, Bryn Mawr College, 1912-13; Student, University of Cambridge, 1913-14; Fellow in Philosophy, Bryn Mawr College, 1914-15; Honorary Fellow, Johns Hopkins University, 1915-16.
- PARRIS, MARION, Low Buildings, Bryn Mawr, Pa.
Holder of Bryn Mawr College Research Fellowship, 1906-07. A.B., Bryn Mawr College, 1901, group, History and Political Science, and Ph.D., 1909, subjects, Economics and Politics and Philosophy. Private Tutor, 1901-02; Warden of Summit Grove, Bryn Mawr College, 1902-04, and of Rockefeller Hall, 1904-05; Graduate Student, Bryn Mawr College, 1902-05; Fellow in Economics, Bryn Mawr College, 1905-06; Student, University of Vienna, 1906-07; Reader in Economics and Politics, Bryn Mawr College, 1907-08, Associate in Economics and Politics, 1908-11, and Associate Professor, 1911-16; Chairman of Executive Committee of Bureau of Occupations for Trained Women, Philadelphia, 1912-15.
- Married, 1912, *Professor William Roy Smith*.
- PEEBLES, FLORENCE, 2352 Camp Street, New Orleans, La.
Holder of the Mary E. Garrett European Fellowship, 1898-99. A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900, subjects, Morphology and Physiology. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-11; Scholar of the Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Student, University of Bonn, Summer, 1906; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-11, 1913-15; Holder of American Woman's Table in Zoological Station, Naples, Spring, 1907; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10, and Private Tutor, 1907-12, 1913-15; Fellow of the Association of Collegiate Alumnae, Boston Branch, and Student and Research Worker, Germany and France, 1912-13; Lecturer in Biology, Bryn Mawr College, as Substitute for Professor of Biology, Oct.-Dec., 1913; Professor of Biology, H. Sophie Newcomb Memorial College, Tulane University, 1915-16.

PERKINS, ELIZABETH MARY, 2429 Green Street, San Francisco, Cal.

Holder of the Bryn Mawr European Fellowship, 1900-01. A.B., Bryn Mawr College, 1900, group, Greek and Latin, and Ph.D., 1904, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1900-01; Student, Universities of Berlin and Munich, 1901-02; Fellow in Latin, Bryn Mawr College, 1902-03; Teacher of Latin and German in the Western High School, Washington, 1903-04, of Latin, 1904-05, and of Greek and Latin, 1905-06; Instructor in Latin, Vassar College, 1906-07; Graduate Student, Columbia University, 1907-08; Tutor in Latin, High School Department, Normal College, New York City, 1907-09; on leave of absence, 1909-10.

Married, 1910, *Mr. Eric Charles William Scheel Lyders*. One daughter.

PINNEY, MARY EDITH, See page 22.

Holder of President's European Fellowship, 1911-12.

RAGSDALE, VIRGINIA, Jamestown, N. C.

Holder of the Bryn Mawr European Fellowship, 1896-97. S.B., Guilford College, 1892. Holder of Guilford Scholarship, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr College, 1893-97. A.B., Bryn Mawr College, 1896; Ph.D., 1906, subjects, Mathematics and Physics. Demonstrator in Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen, 1897-98; Teacher of Science and Mathematics, in the Bryn Mawr School, Baltimore, Md., 1898-1900, and Assistant Teacher of Mathematics, 1900-01; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02; Fellow in Mathematics, Bryn Mawr College, 1902-03; Teacher of Mathematics in Dr. J. Sachs's School for Girls, New York City, 1903-05; Teacher of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1906-11, Reader in Mathematics, Bryn Mawr College, 1908-10, and Fellow by Courtesy, 1910-11; Associate in Mathematics, North Carolina State Normal and Industrial College, Greensboro, N. C., 1912-16, with leave of absence, 1913-15.

REIMER, MARIE, 420 West 118th Street, New York City.

Holder of the Mary E. Garrett European Fellowship, 1902-03. A.B., Vassar College, 1897, and Ph.D., Bryn Mawr College, 1903, subjects, Chemistry and Physiology. Graduate Scholar in Chemistry, Vassar College, 1897-98; Assistant in the Chemical Laboratory, Vassar College, 1898-99; Fellow in Chemistry, Bryn Mawr College, 1899-1900, 1901-02; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Student, University of Berlin, 1902-03; Lecturer in Chemistry, Barnard College, 1903-04, Instructor in Chemistry, 1904-09; Adjunct Professor of Chemistry, 1909-11, and Associate Professor, 1911-16.

ROE, ADAH BLANCHE, Kreuzbergweg, 17, Göttingen, Germany.

Ottendorfer Memorial Research Fellow, 1911-12, 1913-14. A.B., Woman's College of Baltimore, 1909. Scholar in German, Bryn Mawr College, 1909-11; Student, University of Berlin, 1911-12; Fellow in German, Bryn Mawr College, 1912-13; Student, University of Leipzig, 1913-14; Professor of German, Simpson College, Indianola, Iowa, 1914-15.

Married, 1915, *Dr. Herman Lommel*.

SAMPSON, LILIAN VAUGHAN, 409 West 117th Street, New York City.

Holder of the Bryn Mawr European Fellowship, 1891-92. A.B., Bryn Mawr College, 1891, group, Mathematics and Physics, and A.M., 1894. Student, University of Zürich, 1892-93; Graduate Student, Bryn Mawr College, 1891-92, and 1893-99; Research Work in Biology, 1904-06.

Married, 1904, *Professor Thomas Hunt Morgan*. One son, three daughters.

SANDISON, HELEN ESTABROOK, Vassar College, Poughkeepsie, N. Y.

Holder of Special European Fellowship, 1909-10. A.B., Bryn Mawr College, 1906; A.M., 1907, and Ph.D., 1911, subjects, English Philology, English Literature, and Latin. Graduate Scholar, Bryn Mawr College, 1906-07, 1910-11; Assistant Principal of the the High School, Brookville, Ind., 1907-08; Fellow in English, Bryn Mawr College, 1908-09; Student, University of Oxford, 1909-10; Reader in English, Bryn Mawr College, 1911-13; Instructor in English, Vassar College, 1913-16.

SCHAEFFER, HELEN ELIZABETH, Died, 1913.

Holder of the Mary E. Garrett European Fellowship, 1905-06. A.B., Dickinson College, 1903, and A.M., 1905; Ph.D., Bryn Mawr College, 1908, subjects, Physics, Pure and Applied Mathematics. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08, 1909-11; Fellow in Physics, Bryn Mawr College, 1904-05; Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, 1907-08, 1910-12; Reader in Mathematics, Bryn Mawr College, Second Semester, 1909-10, 1911-12.

Married, 1908, *Dr. William Bashford Huff*. One son, one daughter († 1913).

SCHENCK, EUNICE MORGAN,.....Low Buildings, Bryn Mawr, Pa.
Holder of the President's European Fellowship, 1910-11. A.B., Bryn Mawr College, 1907, and Ph.D., 1913, subjects, Modern French Literature, Old French, and Spanish. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1910-11, and Fellow in Romance Languages, 1912-13; Student at the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12; Reader in French, Bryn Mawr College, 1913-14, Associate in French, 1914-16, and Teacher of French in the Phebe Anna Thorne Model School, 1913-16.

SCHMIDT, GERTRUD CHARLOTTE,.....Bryn Mawr, Pa.
Holder of the President's European Fellowship, 1904-05. B.L., University of Wisconsin, 1900; A.M., Radcliffe College, 1903; Ph.D., Bryn Mawr College, 1913, subjects, Teutonic Philology, German Literature and Sanskrit. Graduate Student, Radcliffe College, 1900-01, 1902-03; Assistant in German, Smith College, 1901-02; Graduate Student, Bryn Mawr College, 1903-05, 1906-09; Teacher of German in Miss Wright's School, Bryn Mawr, Pa., 1903-05, 1906-15; Student, University of Leipsic, 1905-06, University of Grenoble, Summer, 1905.

SHEARER, EDNA ASTON,.....Low Buildings, Bryn Mawr, Pa.
Holder of the President's European Fellowship, 1905-06. A.B., Bryn Mawr College, 1904, group, English and Philosophy, and Ph.D., Bryn Mawr College, 1914, subjects, Ethics, History of Philosophy and Psychology. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-10, and Graduate Student, Bryn Mawr College, 1907-08, 1909-10; Reader in English, Bryn Mawr College, 1910-16, and in Philosophy, 1914-15.

SHIELDS, EMILY LEDYARD,.....36 Bedford Terrace, Northampton, Mass.
Holder of the Bryn Mawr European Fellowship, 1905-06. A.B., Bryn Mawr College, 1905, group, Greek and Mathematics, and A.M., 1906; Ph.D., Johns Hopkins University, 1915. Graduate Student, Bryn Mawr College, 1905-06; Recording Secretary and Appointment Secretary, Bryn Mawr College, 1906-07; Student, University of Oxford, and University of Berlin, 1907-08; Teacher of Greek and Mathematics in the Bryn Mawr School, Baltimore, Md., 1909-12, and of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1912-13; Graduate Student, Johns Hopkins University, 1913-15; Instructor in Latin, Smith College, 1915-16.

SHIPLEY, KATHARINE MORRIS,.....Bryn Mawr, Pa.
Holder of the Bryn Mawr European Fellowship, 1890-91. A.B., Bryn Mawr College, 1890, group, Latin and English. Student in Latin and English, University of Leipsic, 1890-91; Sorbonne and Collège de France, 1891-92; Newnham College, University of Cambridge, England, May Term, 1892; Associate Principal and Supervisor of English in the Misses Shipley's School, Bryn Mawr, Pa., 1894-1913, and Principal, 1913-16.

STEVENS, NETTIE MARIA,.....Died, 1912.
Holder of the President's European Fellowship, 1901-02. A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903, subjects, Morphology and Physiology. Student, Hopkins Seaside Laboratory, Pacific Grove, Cal., summers, 1897, 1898, and 1899; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Zoological Station, Naples, 1901-02; University of Wurzburg, 1902, 1903-09; Fellow in Biology, Bryn Mawr College, 1902-03; Research Fellow in Biology, First Semester, 1903-04; Reader in Experimental Morphology, 1904-05, and Associate in Experimental Morphology, 1905-12; Carnegie Research Assistant, 1904-06; Alice Freeman Palmer Research Fellow, on leave of absence, 1908-09.

STITES, SARA HENRY,.....Simmons College, Boston, Mass.
Holder of the President's European Fellowship, 1900-01. A.B., Bryn Mawr College, 1899, group, History and Political Science, A.M., 1900, and Ph.D., 1904, subjects, Economics and Politics and History. Graduate Scholar in History and Political Science, Bryn Mawr College, 1899-1900; Student at the Sorbonne and Collège de France, 1900-01; University of Leipsic, 1901-02; Graduate Scholar and Fellow by Courtesy in Political Science, Bryn Mawr College, 1902-04; Co-Principal of the Wilkes Barre Institute, Wilkes Barre, Pa., 1904-13; Instructor in Economics, Simmons College, 1913-15.

STODDARD, YVONNE,.....See page 18.
Holder of the Bryn Mawr European Fellowship, 1913-14.

SWINDLER, MARY HAMILTON,.....Low Buildings, Bryn Mawr, Pa.
Holder of the Mary E. Garrett European Fellowship, 1909-10. A.B., University of Indiana, 1905, A.M., 1906, and Ph.D., Bryn Mawr College, 1912, subjects, Greek, Latin and Archaeology. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Student, University of Berlin, and American School of Classical Studies, Athens, 1909-10; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1910-11; and in Miss Wright's School, Bryn Mawr, 1911-12; Acting Dean of Women, Uni-

versity of Indiana, Summer 1911, 1913; Reader in Latin, Bryn Mawr College, 1911-13; Demonstrator in Archaeology, 1912-13; and Reader in Latin and Demonstrator in Classical Archaeology, 1913-16; Teacher of Latin in the Phebe Anna Thorne Model School, 1914-16.

TRAVER, HOPE, 26 Oakland Terrace, Hartford, Conn.

Holder of the Mary E. Garrett European Fellowship, 1904-05. A.B., Vassar College, 1896; Ph.D., Bryn Mawr College, 1907, subjects, English and History. Graduate Student, Bryn Mawr College, and Private Tutor, Whitford, Pa., 1901-02; Graduate Scholar, Bryn Mawr College, and Teacher of English in Miss Wright's School, Bryn Mawr, Pa., 1902-03; Fellow in English, Bryn Mawr College, 1903-04; Student, University of Munich, 1904-05, and First Semester, 1905-06; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, Second Semester, 1905-06; Teacher of English in Huntington Hall, Los Angeles, Cal., 1906-09; Teacher of English Literature, Mills College, California, 1909-11, and Professor of English, 1911-16.

TREDWAY, HELEN, 45 Fenelon Place, Dubuque, Ia.

Holder of the Bryn Mawr European Fellowship, 1911-12. A.B., Bryn Mawr College, 1911, group, Physics and Chemistry, and A.M., 1912; Ph.D., University of Chicago, 1915. Graduate Scholar in Chemistry, Bryn Mawr College, 1911-12; Student of Chemistry, University of Göttingen, 1912-13; Fellow in Chemistry, University of Chicago, 1913-15.

WADE, CLARA LOUISE WHIPPLE, 646 Park Avenue, New York City.

Holder of the Bryn Mawr European Fellowship, 1904-05. A.B., Bryn Mawr College, 1904, group, Greek and Latin. Scholar in Latin, Bryn Mawr College, and Private Tutor, 1904-05; Student, University of Munich, 1905-06; Graduate Student, Bryn Mawr College, and Private Tutor, 1906-09; Teacher of Latin and German in the Misses Shipley's School, Bryn Mawr, Pa., 1907-10; Teacher of Latin and Greek in Miss Knox's School, Briarcliff Manor, N. Y., 1910-11, and in the Charlton School, New York City, 1911-16.

WARREN, WINIFRED, 805 Comstock Avenue, Syracuse, N. Y.

Holder of the Mary E. Garrett European Fellowship, 1896-97. A.B., Boston University, 1891, and A.M., 1894; Ph.D., Bryn Mawr College, 1898, subjects, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1893-94, and Fellow by Courtesy in Latin, 1894-96; Student in Classical Philology, Universities of Munich and Berlin, 1896-97; Instructor in Latin, Vassar College, 1897-1902.

Married, 1902, *Mr. George Arthur Wilson.*

WEUSTHOFF, ANNA SOPHIE, 106 Northern Avenue, New York City.

Holder of Special Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1907-08. Holder of Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1908-09. A.B., Woman's College of Baltimore, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-09; Alumnae Fellow of Goucher College and Graduate Student of Bryn Mawr College, 1909-10; Teacher of German in the Misses Shipley's School, Bryn Mawr, Pa., 1910-14.

Married, 1914, *Mr. Joseph Albert Mosher.*

Former Resident Fellows.

ALBERT, GRACE, The College Inn, Bryn Mawr, Pa.

Fellow in History, 1903-04. A.B., Bryn Mawr College, 1897, group, Greek and Latin, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08, 1915-16; Graduate Scholar in History and Economics and Politics, 1902-03; Student, University of London, engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04; Head of Department of History in the Misses Shipley's School, Bryn Mawr, 1906-15.

ATKINSON, MABEL, 28 Colville Square, Bayswater, London, W., England.

Fellow in Economics and Politics, 1902-03. A.M., Glasgow University, 1900. Holder of Research Studentship, London School of Economics, 1900-02; Classical Mistress, High School, Newcastle, England, 1903-04; Lecturer in Philosophy and Assistant to the Professor of Classics, Armstrong College, University of Durham, 1904-08; Member of the Board of Faculties, University of Durham, 1905-07; Honorary Secretary, Settlement Association, Newcastle-on-Tyne, 1906-07; Lecturer in Economics, King's College, London, 1908-13, and Lecturer in Economics to the Woman's Educational Association, London, 1910-13; Member of Boards of Studies in Economics and Sociology, London University, 1912-14.

- AVEN, ANNA WARD**, 401 East Market Street, Greenwood, Miss.
Fellow in Latin, 1908-09. A.B., Mississippi College, 1905. Graduate Student in Greek and Latin, Bryn Mawr College, 1906-07, and Graduate Scholar in Latin, 1907-08. Instructor in Latin, Hillman College, Clinton, Miss., 1905-06; Head of Normal Department, Mississippi State College for Women, 1909-10.
Married, 1910, *Mr. William Madison Whittington*. Two daughters (one † 1913).
- BAKER, MABEL WHITMAN**, 3100 Newark Street, Washington, D. C.
Fellow in Latin, 1896-97. Columbian University, 1893-95; Teacher in Norwood Institute, Washington, 1895-96; Teacher of Latin in the Western High School, Washington, 1897-1903.
Married, 1903, *Mr. Alfred Hulse Brooks*. One son, one daughter.
- BANCROFT, JANE M.**, 425 Cass Avenue, Detroit, Mich.
Fellow in History, 1885-86. Ph.B., Syracuse University, 1877, Ph.M., 1880, and Ph.D., 1884. Dean of Woman's College and Professor of French Language and Literature, Northwestern University, 1877-85; University of Zürich, 1886-87; Sorbonne and Collège de France, 1888.
Married, 1891, *Mr. George Orville Robinson*.
- BARTLETT, HELEN**, Vermejo Park, Colfax Co., New Mexico.
Fellow in English, 1893-94. Newham College, University of Cambridge, England, 1889; studied in Berlin, 1882-84, and 1890. A.B., Bryn Mawr College, 1892, group, English and German, A.M., 1893, and Ph.D., 1896, subjects, English and German. Graduate Student, Bryn Mawr College, 1892-93, 1894-95; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1894-95; Instructor in German and French in the Portland Academy, Portland, Ore., 1896-97; Dean of Women, Head of the Modern Language Department and Assistant Professor of German in the Bradley Polytechnic Institute, Peoria, Ill., 1897-1904, Dean of Women, Head of the Modern Language Department, and Professor of German, 1904-09; Student, University of Berlin, 1905; Travelling in Europe, 1907-10, 1913-14, and in California and New Mexico, 1910-11.
- DE BEAUREGARD, ESTHER TONTANT**, 117 Collier Street, Toronto, Canada.
Fellow in Romance Languages, 1894-95. A.B., University of Toronto, 1894; Ontario Normal College, 1895-96; Teacher of Modern Languages, Niagara Falls Collegiate Institute, 1896-1900; Graduate Student in English, University of Pennsylvania, 1900-01; Teacher of English and French in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1900-05.
Married, 1905, *Mr. Percy James Robinson*.
- BECKWITH, MINNIE ADA**, 30 Home Street, New London, Conn.
Fellow in Latin, 1903-04. A.B., University of Chicago, 1902. Graduate Scholar, University of Chicago, 1902-03; Graduate Student, Bryn Mawr College, 1907-08; Teacher of Latin and Greek in the Baldwin School, Bryn Mawr, Pa., 1904-12, and Head of Latin Department, 1912-16.
- BENNESON, CORA AGNES**, 3 Phillips Place, Cambridge, Mass.
Fellow in History, 1887-88. A.B., University of Michigan, 1878, LL.B., 1880, and A.M., 1883. Graduate Student, Radcliffe College, 1897-1902; Attorney and Counsellor-at-Law, Cambridge, 1894-1916; Special Commissioner in Massachusetts, 1895-1916; Member of the Massachusetts Bar Association, 1915.
- BILLS, MARION ALMIRA**, 234 Cutler Street, Allegan, Mich.
Fellow in Psychology, 1913-15. A.B., University of Michigan, 1908. Teacher in the Public School, Allegan, 1909-11; Graduate Scholar in Psychology, Bryn Mawr College, 1911-13.
- BLAKE, SUE AVIS**, Merion Station, Pa.
Fellow in Physics, 1906-07. A.B., Bryn Mawr College, 1898, group, Mathematics and Physics, and A.M., 1900. Demonstrator and Graduate Student, Bryn Mawr College, 1898-99, 1904-06, 1915-16; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Private Tutor, 1909-10; Instructor in Physics, Smith College, 1910-15.
- BLANCHARD, ELIZABETH MILLER**, Bellefonte, Pa.
Fellow in Mathematics, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Mathematics. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1891-92; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1895-1908, and in Miss Irwin's School, Philadelphia, 1896-1908; Graduate Student, Bryn Mawr College, 1902-03; Assistant Manager of the Bellefonte Basket Shop, 1908-16.
Married, 1914, *Dr. Robert Mills Beach*.

- BORING, ALICE MIDDLETON**,.....See page 24.
Fellow in Biology, 1906-07.
- BOURLAND, CAROLINE BROWN**,.....See page 24.
Fellow in Romance Languages, 1898-99.
- BOWERMAN, HELEN COX**,.....Wilson College, Chambersburg, Pa.
Fellow in Archaeology, 1909-11. A.B., Mount Holyoke College, 1901; A.M., University of Rochester, 1903, and Ph.D., Bryn Mawr College, 1912, subjects, Classical Archaeology and Latin. Teacher of English and Latin in the High School, Macedon, N. Y., 1903-05; Instructor in Latin, Western College for Women, Oxford, O., 1905-07; Associate Professor of Latin, 1907-08; Graduate Scholar in Archaeology, Bryn Mawr College, 1908-09; Fellow by Courtesy, 1911-12; University of Bonn, Summer, 1910; American School of Classical Studies, Rome, 1910-11; Holder of '86 Fellowship of Mt. Holyoke College, and Fellow by Courtesy, Bryn Mawr College, 1911-12; Instructor in Latin and Greek, Wilson College, 1912-16.
- BRAMHALL, EDITH CLEMENTINE**,.....Rockford College, Rockford, Ill.
Fellow in History, 1898-99. A.B., University of Indiana, 1895; A.M., University of Pennsylvania, 1896, and Ph.D., 1898; Teacher of History in the Manual Training High School, Indianapolis, Ind., 1899-1900; Instructor in History and Economics, Rockford College, 1900-02, and Professor, 1902-16.
- BROMBACHER, CAROLINE GARNAR**, 177 Woodruff Avenue, Brooklyn, N. Y.
Fellow in Greek, 1896-97. A.B., Barnard College, 1895. Assistant Teacher of Mathematics and Latin in the Erasmus Hall High School, Brooklyn, 1897-99, of Mathematics and Greek, 1899-1901, and of Greek, 1901-06; Graduate Student, Columbia University, 1903-04.
Married, 1906, *Mr. Sidney G. Stacey*.
- BROOKS, HARRIET**,.....See page 25.
Fellow in Physics, 1901-02.
- BROWNELL, JANE LOUISE**,.....Bristol, Conn.
Fellow in Political Science, 1893-94. A.B., Bryn Mawr College, 1893, group, History and Political Science, and A.M., 1894. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1894-1902, and Associate Mistress, 1897-1902; Associate Principal of Miss Florence Baldwin's School, Bryn Mawr, 1902-06; Head of the Baldwin School, Bryn Mawr, 1906-15.
- BRUSSTAR, MARGARET ELIZABETH**,.....See page 25.
Fellow in Mathematics, 1910-11.
- BURNLEY, MARY CLOYD**,.....1029 Grove Street, Evanston, Ill.
Fellow in Chemistry, 1897-98. A.B., Woman's College of Baltimore, 1897, and A.M., 1899. Assistant in Chemistry, Vassar College, 1898-1900, and Instructor in Chemistry, 1900-1908; Research Fellow in Chemistry, Bryn Mawr College, 1908, 1908-09; Church Worker, 1911-13.
Married, 1909, *The Rev. James Madison Stifler*. Two daughters.
- BYRNES, ESTHER FUSSELL**,.....193 Jefferson Avenue, Brooklyn, N. Y.
Fellow in Biology, 1894-95. A.B., Bryn Mawr College, 1891, group, Chemistry and Biology, A.M., 1894, and Ph.D., 1898, subjects, Morphology and Physiology. Assistant in Biological Laboratory, Vassar College, 1891-93; Graduate Scholar in Biology, Bryn Mawr College, 1893-94, and Graduate Student in Biology, 1895-97; Teacher of Physiology and Zoology in the Girls' High School, Brooklyn, 1897-1916; Fellow of the New York Academy of Science; Chairman of the Section of Biology of the New York State Science Teachers' Association, 1906.
- CADY, MARY LOUISE**,.....See page 25.
Fellow in Greek, 1905-06.
- CALDERHEAD, IRIS GALLANT**,.....Marysville, Kan.
Fellow in English, 1912-13. A.B., Kansas University, 1910. Graduate Scholar in English, Bryn Mawr College, 1910-11; Teacher in the High School, Dayton, Wash., 1911-12; Assistant Principal of the High School, Marysville, and Teacher of English and History, 1913-15; Teacher in the High School, Wichita, Kans., 1915-16.
- CAM, HELEN MAUD**,.....Paulers Pury Rectory, Towcester, England.
Fellow in History, 1908-09. B.A., University of London, 1908, and M.A., 1909. Royal Holloway College, 1904-07. Assistant Mistress, Cheltenham Ladies' College, 1909-12; Assistant Lecturer in History, Royal Holloway College, 1912-16.

- CAMPBELL, GERTRUDE HILDRETH,.....See page 18.
Fellow in English, 1913-14.
- CHAMBERLAIN, ETHEL MARY,.....89 Migeon Avenue, Torrington, Conn.
Fellow in Philosophy, 1908-09. A.B., Lombard College, 1906; Ph.D., University of Chicago, 1911. Graduate Student, University of Chicago, 1906-08, 1910-11, and Fellow in Psychology, 1909-10; Volunteer Suffrage Worker, 1915-16.
Married, 1911, *Mr. Gail Quincy Porter*. One son.
- CLARK, MABEL PARKER,.....145 West 78th Street, New York City.
Fellow in English, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and English, and A.M., 1890. Reader in English, and Graduate Student, 1890-93; Graduate Student, Barnard College, 1893-94; Chairman of Local School Board, District 14, New York City, 1913-15.
Married, 1894, *Dr. John Henry Huddleston*. Two daughters, one son.
- CLARKE, MARY PATTERSON,.....721 Illinois Street, Lawrence, Kans.
Fellow in History, 1906-07. A.B., University of Kansas, 1903, and A.M., 1905. Graduate Student, University of Kansas, 1904-05, and Fellow in History, 1905-06; Principal and Teacher of History in the High School, Cartersville, Mo., 1907-08; Teacher of History in the High School, Perry, Okla., 1910-12; Teacher of History in Missouri Christian College, Camden Point, Mo., 1915-16.
- CLOUGH, IDA PRESCOTT,.....37 Cedar Street, Somerville, Mass.
Fellow in Latin, 1900-01. A.B., Radcliffe College, 1896, and A.M., 1900. Graduate Student, Radcliffe College, 1899-1900; University of Berlin, 1901-02.
- COLE, ANNA LEWIS,.....7135 Boyer Street, Mt. Airy, Philadelphia.
Fellow in Romance Languages, 1895-96. A.B., Woman's College of Baltimore, 1892, and A.M., 1894. Student in English and French, Sorbonne, 1894-95; Head Teacher of Modern Languages, Winthrop Normal and Industrial College, Rock Hill, S. C., 1897-1903, 1904-05; Fellow in Romance Languages, University of Chicago, 1903-04; Head of French Department, Friends' Central School, Philadelphia, 1905-07; Graduate Student, Bryn Mawr College, 1906-07, 1910-11, and University of Pennsylvania, 1906-07; Teacher of French in Sweet Briar Institute, Sweet Briar, Va., 1907-08, and Head of French Department, 1908-10; Instructor in French in the Girls' High School, Philadelphia, 1910-15, and in the Germantown High School for Girls, 1915-16.
- COLIN, THÉRÈSE F.,.....Died, 1913.
Fellow in Romance Languages, 1893-94. Diplômée et agrégée, Collège de Neuchâtel, 1875; A.M., Leland Stanford, Jr., University, 1893; Ph.D., University of Pennsylvania, 1897; Officier de l'Instruction Publique, Paris, 1906; Muséum d'Histoire Naturelle, Paris, 1883-85; University of the City of New York, 1887-88; Reader in Romance Languages, and Graduate Student, Bryn Mawr College, 1894-96; Student in Romance Philology and Literature, Sorbonne, Collège de France, Ecole des Hautes Etudes, Ecole des Chartes, Paris, 1895; Head of French Department in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1896-1904; Associate Professor of French, Wellesley College, 1904-06, Professor-Elect, 1906-07, and Professor of French Language and Literature, 1907-13, and Head of the Department of French, 1905-13; Professor of French Language and Literature, University Extension Department of Harvard University, 1910-11.
Married, —, *Mr. Alfred Colin* (†).
- COOPER, ELVA,.....4521 Nineteenth Avenue, S. E., Seattle, Wash.
Fellow in Mathematics, 1907-08. A.B., University of Wisconsin, 1904, and A.M., 1906. Student in Mathematics, University of Wisconsin, 1905-06. Graduate Scholar in Mathematics, and Teacher of Mathematics, 1906-07; Instructor in Mathematics, University of Washington, 1908-10, and University of Colorado, 1910-13.
Married, 1913, *Professor Carl Edward Magnusson*.
- COULTER, CORNELIA CATLIN,.....See page 26.
Fellow in Latin, 1909-10; Fellow in Greek, 1910-11.
- CRAWFORD, THYRA,.....2213 Mt. Vernon Street, Philadelphia.
Fellow in German, 1911-12. A.B., Goucher College, 1903; A.M., University of Minnesota, 1910. Graduate Student, University of Minnesota, 1908-10; Teacher in the High School, Ada, Minn., 1903-04; Principal of the High School, Excelsior, Minn., 1904-11; Instructor in German, William Penn High School for Girls, Philadelphia, 1912-16.
- CUMMINGS, LOUISE D., 256 Main Street, East, Hamilton, Ontario, Canada.
Fellow in Mathematics, 1898-99. A.B., University of Toronto, 1895, and A.M., 1902; Ph.D., Bryn Mawr College, 1914, subjects, Mathematics, Applied Mathematics and Phy-

sies. Fellow, University of Pennsylvania, 1896-97; Examiner in Mathematics, University of Toronto, 1897; Graduate Student, University of Chicago, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1900; Instructor in Mathematics, St. Margaret's College, Toronto, Ont., 1901-02; Graduate Scholar, Bryn Mawr College, First Semester, 1905-06; Instructor in Mathematics, Vassar College, 1902-15 and Assistant Professor, 1915-16.

DARKOW, ANGELA CHARLOTTE, 3911 Poplar Street, Philadelphia.

Fellow in Greek, 1912-14. A.B., Bryn Mawr College, 1911, and A.M., 1912. Graduate Scholar in Greek, Bryn Mawr College, 1911-12; Private Tutor, 1914-16.

DAVIS, SARAH WHITE, Lapeer, Mich.

Fellow in History, 1910-11. A.B., Mt. Holyoke College, 1909, and A.M., 1910. Graduate Student, Mt. Holyoke College, 1909-10; Mary E. Woolley Fellow of Mt. Holyoke College and Student, University of Oxford, 1911-12; Teacher of History, Virginia College, Roanoke, Va., 1913-14; Instructor in History, Margaret Morrison Carnegie School, Carnegie Institute of Technology, Pittsburgh, Pa., 1914-16.

DAW, ELIZABETH BEATRICE, See page 20.

Fellow in English, 1914-15.

DENIS, WILLEY,

Laboratory of Biological Chemistry, Harvard Medical School,
Boston, Mass.

Fellow in Chemistry, 1902-03. A.B., Tulane University, 1899, and A.M., 1902; Ph.D., University of Chicago, 1907. Graduate Student, Bryn Mawr College, 1899-1901; Tulane University, 1901-02, 1903-04, University of Chicago, 1905-07; Assistant Chemist, U. S. Department of Agriculture, Bureau of Foods, 1907-09; Research Assistant, Harvard Medical School, 1910-13; Chemist, Massachusetts General Hospital, Boston, 1913-16.

DOVER, MARY VIOLETTE,

194 Hunter Street East, Peterborough, Ontario, Canada.

Fellow in Chemistry, 1905-06. A.B., McGill University, 1898, and M.Sc., 1900; Ph.D., University of Breslau, 1908. Instructor in Chemistry, Mt. Holyoke College, 1909-14; Student, University of Chicago, Summer, 1914; Instructor in Chemistry, University of Missouri, 1915-16.

DOWNNEY, KATHERINE MELVINA, Wheaton, Minn.

Fellow in Physics, 1913-14. A.B., University of Minnesota, 1910, and A.M., 1913. Teacher of Mathematics in the High School, Luverne, Minn., 1910-12; Instructor in Physics, Mt. Holyoke College, 1914-16.

DUCKETT, ELEANOR SHIPLEY, ... Bank House, Frome, Somerset, England.

Fellow in Latin, 1912-13. B.A., University of London, 1902, and M.A., 1904. Girton College, University of Cambridge, England, 1908-11; Classical Tripos, Part I, 1911. Classical Mistress in the High School, Sutton, Surrey, 1905-07; British Graduate Scholar, Bryn Mawr College, 1911-12, and Special British Graduate Scholar, 1913-14; Instructor in Latin in the Western College for Women, Oxford, O., 1914-16.

DUDLEY, LOUISE, 579 Lawe Street, Appleton, Wis.

Fellow in English, 1906-07. A.B., Georgetown College, 1905; Ph.D., Bryn Mawr College, 1910, subjects, English Philology, English Literature, and English History. Graduate Student, Bryn Mawr College, 1905-06, and Graduate Scholar, 1910. Teacher of Mathematics and Latin in Kemper Hall, Kenosha, Wis., 1907-08; Research Student, Bibliothèque Nationale, Paris, 1908-09, and Student, Oxford University, First Semester, 1909-10; Instructor in English Literature, Mt. Holyoke College, 1910-11; Head of the English Department, Stephens College, Columbia, Mo., 1913, 1913-14; Professor of English Literature, Lawrence College, Appleton, Wis., 1914-16.

EDDINGFIELD, JUNE CHRISTINA, See page 26.

Fellow in German, 1913-14.

EDDY, HELEN MAY, Marengo, Ia.

Fellow in Latin, 1904-05. A.B., University of Iowa, 1900, and A.M., 1903. Fellow in Latin, University of Iowa, 1901-04. Teacher of Latin in the High School, Fairfield, Ia., 1905-06, and of Latin and Greek in the Winona Park School for Women, Winona Lake, Ind., 1906-08; Teacher of Latin and German in the State Normal School, Mayville, N. D., 1908-13; Student, National German American Academy, Milwaukee, Wis., 1914-15; Head of Department of Foreign Languages, Idaho Technical Institute, Pocatello, Idaho, 1915-16.

EDMAND, MARIETTA JOSEPHINE, E. 1846 Ninth Avenue, Spokane, Wash.
Fellow in Latin, 1897-98. A.B., Central University of Iowa, 1887, and A.M., 1890; A.B. and A.M., University of Chicago, 1897. Assistant in Academic Department, Iowa Wesleyan University, 1887-90, and Principal of Academic Department, 1890-93; Professor of Latin, Iowa Wesleyan University, 1893-95; Graduate Student in Greek and Latin, University of Chicago, 1895-97; Professor of Latin and Greek, Milwaukee-Downer College, Milwaukee, Wis., 1898-99, and Professor of Latin, 1899-1903; American School of Classical Studies, Rome, 1901-02.

Married, 1903, *Dr. Frederic Perry Noble*. One daughter.

EDWARDS, KATHARINE MAY, Wellesley College, Wellesley, Mass.
Fellow in Greek, 1888-89. A.B., Cornell University, 1888, and Ph.D., 1895. Instructor in Greek, Wellesley College, 1889-93; Graduate Student, Cornell University, 1893-94; Associate Member of American School of Classical Studies, Athens, 1913-14; Associate Professor of Greek, Wellesley College, 1894-1901; Associate Professor of Greek and Comparative Philology, 1901-15, and Professor, 1915-16.

ELLIS, ELLEN DEBORAH, See page 26.
Fellow in Economics and History, 1904-05.

EVERS, HELEN MARGARET, 12510 Mayfield Road, Cleveland, O.
Fellow in Romance Languages, 1903-05. A.B., Washington University, 1899; A.M., University of Missouri, 1902; Ph.D., Bryn Mawr College, 1905, subjects, French and Spanish. Graduate Student, University of Missouri, 1901-02, and Fellow in Romance Languages, 1902-03; Fellow in Romance Languages, Bryn Mawr College, 1903-05; Teacher of French in the Gleim School, Pittsburgh, Pa., 1906-07; Acting Instructor in Romance Languages, University of Missouri, 1905-06, and Instructor, 1907-09; Instructor in the International Institute for Girls, Madrid, Spain, 1909-10; Instructor in Romance Languages, College for Women of Western Reserve University, 1910-13; Teacher of French in Mary Institute, St. Louis, Mo., 1913-14.

FAHNESTOCK, EDITH, Vassar College, Poughkeepsie, N. Y.
Fellow in Romance Languages, 1897-98. L.B., Western Reserve University, 1894; Ph.D., Bryn Mawr College, 1908, subjects, French Literature, Old French Philology and Spanish. University of Zürich and Sorbonne, 1894-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1898-1901, 1902-05; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1901-02, and Graduate Scholar, 1906-07; Instructor in Romance Languages, Mt. Holyoke College, 1907-08, and Vassar College, 1908-15; Assistant Professor and Acting Head of the Department of Italian and Spanish, Vassar College, 1915-16.

FAIRBANKS, CHARLOTTE, St. Johnsbury, Vt.
Fellow in Chemistry, 1896-97. A.B., Smith College, 1894; Ph.D., Yale University, 1896; M.D., Woman's Medical College of Pennsylvania, 1902. Instructor in Chemistry, Wellesley College, 1897-99; Woman's Medical College of Pennsylvania, 1899-1902; Instructor in Chemistry and Materia Medica, Woman's Medical College of Pennsylvania, 1906-08; Physician, 1905-16.

FAIRCLOUGH, ELIZABETH MARY, Died, 1912.
Fellow in Greek, 1893-94. A.B., McGill University, 1893. Private Tutor, 1898-1900.

FARNHAM, LOIS ANNA, 22 Old Lancaster Road, Bryn Mawr, Pa.
Fellow in Economics and Politics, 1901-02. A.B., Bryn Mawr College, 1900, group, History and Political Science, and A.M., 1901. Graduate Scholar in History, Political Science, and Law, Bryn Mawr College, 1900-01, and Graduate Student, 1913-14.
Married, 1903, *Professor David Wilbur Horn*. Three daughters.

FOGG, EMILY, "Longlands," Holicong, Pa.
Fellow in History, 1897-98. Wellesley College, 1889-91; A.B., University of Chicago, 1897. Graduate Scholar and Fellow by Courtesy in History, 1898-99; Fellow in Sociology, University of Pennsylvania, 1899-1900; Student, University of Pennsylvania, and Teacher of Economic Geography in Mrs. Head's School, Germantown, Philadelphia, and of History in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01.
Married, 1900, *Professor Edward Sherwood Mead*. One son, four daughters (one † 1907).

FOSTER, ELIZABETH ANDROS, Glendale Road, Sharon, Mass.
Fellow in Latin, 1910-11. A.B., Bryn Mawr College, 1908, group, Latin and Italian and Spanish, and A.M., 1909. Graduate Scholar in Latin, Bryn Mawr College, 1908-09, and Reader in Latin and Graduate Student, 1909-10; Student, Sorbonne and Collège de France, 1913-14; Assistant in French and Instructor in Spanish, Wells College, 1911-15; Fellow in French, Smith College, 1915-16.

FOSTER, FRANCES ALLEN, See page 26.
Fellow in English, 1911-12.

FOWLER, EUGENIA, Upper Lehigh, Pa.
Fellow in Physics, 1902-03. A.B., Bryn Mawr College, 1901, and A.M., 1902. Mistress of Llanberis, and Graduate Student, Bryn Mawr College, 1901-02; Secretary and Manager of Athletics, St. Timothy's School, Catonsville, Md., 1903-07; Manager of Low Buildings, Bryn Mawr College, 1908-09.
Married, 1909, *Mr. M. K. Neale*. One son († 1912).

FRANCE, WILMER CAVE, Low Buildings, Bryn Mawr, Pa.
Fellow in Greek, 1892-93. Girton College, University of Cambridge, England, 1888-92, Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96; Reader in Classical Literature, Bryn Mawr College, 1897-99; Associate in Classical Literature, 1899-1901, Associate in Greek, 1901-03, 1905-06, Lecturer in Greek Literature, 1906-07, and Associate Professor of Greek, 1907-16.
Married, 1906, *Mr. J. Edmund Wright* († 1910).

FRANKLIN, MARJORIE LORNE, 404 West 116th Street, New York City.
Fellow in Economics, 1914-15. A.B., Barnard College, 1913. Graduate Scholar in Economics, Bryn Mawr College, 1913-14; University Scholar, Columbia University, 1915-16.

FRANKLIN, SUSAN BRALEY, 33 Central Park West, New York City.
Fellow in Greek, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin, and Ph.D., 1895, subjects, Greek, Latin, and Sanskrit. Fellow by Courtesy in Greek, 1890-93; Graduate Student, Bryn Mawr College, 1890-93, and second semester, 1902-03; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1892-93; Instructor in Latin, Vassar College, 1893-97; American School of Classical Studies, Athens, and University of Berlin, 1898-99; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1897-98, and 1899-1904; Head of the Classical Department, Ethical Culture School, New York City, 1904-11, 1912-16.

FREHAFFER, MABEL KATHERINE, 219 Lathrop Street, Madison, Wis.
Fellow in Physics, 1909-10. A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909. Graduate Student, University of Wisconsin, 1908-09; Demonstrator in Physics and Graduate Student, Bryn Mawr College, 1910-14; Assistant in Physics and Graduate Student, University of Wisconsin, 1914-16.

GAGE, KITTY AUGUSTA, New Paltz, N. Y.
Fellow in Greek, 1885-86. A.B., Boston University, 1878; A.M., Cornell University, 1885. Teacher of Latin and French in the State Normal School, New Paltz, 1893-1913; Professor Emeritus, 1913.

GATES, FANNY COOK, 1328 East 53rd Street, Chicago, Ill.
Fellow in Mathematics, 1896-97. B.S., Northwestern University, 1894, and M.S., 1895; Ph.D., University of Pennsylvania, 1909. Fellow in Mathematics, Northwestern University, 1894-95; Graduate Scholar in Mathematics, Bryn Mawr College, 1895-96; Holder of European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics and Physics, University of Göttingen, 1897-98; Graduate Student, University of Chicago, Summer Term, 1899; Instructor in Physics, Woman's College of Baltimore, 1898-1901, Associate Professor of Physics, 1901-06, and Professor of Physics, 1906-11; Research Student, McGill University, 1902-03; Research Student, Cavendish Laboratory, Cambridge, England, April to August, 1905 and 1906; Research Worker, School of Education, University of Chicago, 1911-13.

GENTRY, RUTH, Stilesville, Ind.
Fellow in Mathematics, 1890-91, 1892-93. Ph.B., University of Michigan, 1890; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics and Physics. Fellow by Courtesy in Mathematics, Bryn Mawr College, 1893-94; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics, University of Berlin, 1891-92; Student at the Sorbonne, 1892-93; Instructor in Mathematics, Vassar College, 1894-1900, and Associate Professor of Mathematics, 1900-02; Associate Principal of Private School, Pittsburgh, Pa., and Head of Department of Mathematics, 1902-05; Volunteer nurse (unpaid), 1910-11; Travelling, 1912-14.

GIBBONS, VERNETTE LOIS, See page 26.
Fellow in Chemistry, 1911-12.

GILROY, HELEN TURNBULL, 2314 Green Street, Philadelphia.
Fellow in Physics, 1911-12. A.B., Bryn Mawr College, 1909, group, Mathematics and Physics, and A.M., 1912. Graduate Student and Student Assistant in the Physical Laboratory, Bryn Mawr College, 1910-11; Instructor in Physics, Mt. Holyoke College, 1912-14; Demonstrator in Physics and Graduate Student, Bryn Mawr College, 1914-15; Graduate Student in Physics, University of Chicago, 1915-16.

GOODMAN, BYNE FRANCES, 1918 Hill Avenue, Champaign, Ill.
Fellow in Economics, 1913-14. A.B., University of Illinois, 1912, and A.M., 1913.

GOODRICH, GRACE GERTRUDE, Ripon, Wis.
Fellow in Latin, 1911-12. A.B., Ripon College, 1906, and A.M., 1907; A.M., University of Wisconsin, 1911, and Ph.D., 1913. Student, American School of Classical Studies in Rome, 1909-10; University of Wisconsin, 1910-11; Assistant in Latin, University of Wisconsin, 1912-13; Instructor in Latin and Greek. Ripon College, 1913-16.

GORDON, WILHELMINA,
Principal's House, Queen's University, Kingston, Ontario, Canada.
Fellow in Latin, 1906-07. M.A., Queen's University, 1905. Graduate Scholar in English, Bryn Mawr College, 1905-06; Somerville College, Oxford, England, 1908-09; Oxford Final Honour School in English, 1909. Tutor in English, Queen's University, 1909-10, Fellow and Reader in English, 1910-12, and Instructor in English, 1912-16.

GRAHAM, ELLEN MAUD, 131 Scott Street, Quebec, Canada.
Fellow in History, 1896-97. A.B., University of Toronto, 1896. Canadian Government Teacher in South Africa, 1902-04; Teacher of Modern Languages, Harriston, Ont., 1905-06; Principal of the Girls' High School, Quebec, P. Q., 1906-09.
Married, 1908, *Mr. Frederick Gourlay Millar*.

GRAHAM, MINNIE ALMIRA, 34 Park Place, Lockport, N. Y.
Fellow in Chemistry, 1906-07, 1910-11. A.B., Mount Holyoke College, 1900; A.M., University of Michigan, 1906; Ph.D., Bryn Mawr College, 1912, subjects, Physical Chemistry, Organic Chemistry and Physics. Teacher of Mathematics and Science in the High School, Hancock, N. Y., 1900-01; and Instructor in Chemistry, Mount Holyoke College, 1902-05; Student in Physics, Massachusetts Institute of Technology, First Semester, and Teacher of Science in the High School, Braintree, Mass., 1901-02; Graduate Student, University of Michigan, and Holder of the '86 Fellowship of Mount Holyoke College, 1905-06; Professor of Chemistry, Lake Erie College, 1907-10; 1912-13, and on leave of absence, 1910-12; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, 1911-12; Acting Professor of Chemistry, Wells College, 1913-15; Instructor in Chemistry, Wellesley College, 1915-16.

GRANT, MARY AMELIA, 1420 Polk Street, Topeka, Kans.
Fellow in Latin, 1914-15. A.B., University of Kansas, 1913, and A.M., 1914. Teaching Fellow, University of Kansas, 1913-14; Instructor in Greek and Latin, Western College for Women, Oxford, O., 1915-16, Semester II.

GRIFFIN, HATTIE JOSEPHINE, Marshfield, Ore.
Fellow in Latin, 1899-1900. A.B., University of Wisconsin, 1898, and A.M., 1902. Alumni Fellow in Latin, University of Wisconsin, 1898-99; Fellow in Latin, University of Wisconsin, 1901-02; Assistant in the High School, Crystal Falls, Michigan, 1902-03; Professor of Ancient and Modern Languages, Nebraska Central College, 1903-07; Principal of the High School, North Bend, Ore., 1907-09; Teacher of Latin and German in the Kinney High School, North Bend, 1909-13; Government Clerk, Post Office, Marshfield, 1914-16.

GWINN, MARY, 33 Mount Vernon Place East, Baltimore, Md.
Fellow in English, 1885-87. University of Leipsic, 1879-82; University of Zürich, 1882; Sorbonne and Collège de France, 1883. Ph.D., Bryn Mawr College, 1888. Graduate Student, Bryn Mawr College, 1887-88, and Associate in English, 1888-93; Associate Professor of English, Bryn Mawr College, 1893-97, and Professor of English, 1897-1904.
Married, 1904, *Mr. Alfred Hodder* († 1907).

HAHN, DOROTHY ANNA, Box 344, South Hadley, Mass.
Fellow in Chemistry, 1907-08. A.B., Bryn Mawr College, 1899, group, Chemistry and Biology. Professor of Chemistry and Biology, Pennsylvania College for Women, Pittsburgh, Pa., 1899-1906; Professor of Biology, Kindergarten College, Pittsburgh, 1904-06; Student, University of Leipsic, 1906-07; Instructor in Chemistry, Mount Holyoke College, 1908-14, and Associate Professor, 1914-16; on leave of absence, Graduate Student in Chemistry, Yale University, and Holder of Currier Fellowship, Yale University, and of the Anna C. Brackett Fellowship of the A. C. A., 1915-16.

- HAINES, JANE BOWNE**,.....Cheltenham, Pa.
Fellow in History, 1892-93. A.B., Bryn Mawr College, 1891, group, History and Political Science, and A.M., 1892. Graduate Student, Bryn Mawr College, 1891-92, 1893-94, and Associate Librarian, 1895-98; Student, New York State Library School, Albany, N. Y., 1898-99; Assistant in the Cataloguing Division, Library of Congress, Washington, D. C., 1900-03; Private Indexer and Bibliographer, 1903-16.
- HAMILTON, EDITH**,.....See page 27.
Fellow in Latin, 1894-95.
- HANINGTON, FLORENCE**,.....Prospect Road, Rockcliffe, Ottawa, Canada.
Fellow in Mathematics, 1905-06. A.B., Trinity University, 1904. Graduate Scholar in Mathematics, Bryn Mawr College, 1904-05; Secretary of Bryn Mawr College, 1906-07.
Married, 1907, *Mr. Charles Reginald Carter*. One daughter.
- HANNA, MARY ALICE**,.....See page 21.
Fellow in History, 1912-13.
- HARDCASTLE, FRANCES**, 3 Osborne Terrace, Newcastle on Tyne, England.
Fellow in Mathematics, 1894-95. M.A., Trinity College, Dublin, 1907. Girton College, University of Cambridge, England, 1888-92; Mathematical Tripos, Part I, 1891; Part II, 1892. Graduate Student in Mathematics, Bryn Mawr College, 1892-93; Honorary Fellow in Mathematics, University of Chicago, 1893-94; Graduate Student in Mathematics, Girton College, 1895-96; Pfeiffer Student of Girton College, 1902-03; Hon. Secretary, National Union of Women's Suffrage Societies, London, 1906-09.
- HARDENBROOK, MILDRED**,.....See page 21.
Fellow in Greek, 1914-15.
- HARMON, ESTHER**,.....See page 27.
Fellow in German, 1908-09.
- HARPER, CARRIE ANNA**,.....Sunderland, Mass.
Fellow in English, 1898-99. A.B., Radcliffe College, 1896, and A.M., 1898; Ph.D., Bryn Mawr College, 1910, subjects, English Language, English Literature and Spanish. Graduate Scholar in English, Bryn Mawr College, 1896-97; Graduate Student in English, Radcliffe College, 1897-98, 1906-07; Teacher of English in the Gilman School, Cambridge, Mass., 1899-1907; Instructor in English Literature, Mt. Holyoke College, 1907-11, and Associate Professor, 1911-16.
- HARRIS, ELIZABETH**,.....Clayton, Mo.
Fellow in Greek, 1890-91. A.B., Bryn Mawr College, 1890, group, Greek and Latin, and A.M., 1891. Teacher of Greek and Latin in the Collegiate Grammar School, New York City, 1891-92; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1892-96.
Married, 1896, *Professor Edward Harrison Keiser*. Five sons, one daughter.
- HARRISON, ELIZABETH**,
Mickleton, Queen's Drive, Mossley Hill, Liverpool, England.
Fellow in Greek, 1906-07. Liverpool University College, 1897-98; Newnham College, University of Cambridge, England, 1898-1902; Classical Tripos, Part I, 1901; Part II, 1902; Classical Mistress, Roedean School, Brighton, England, 1902-06; Temporary Assistant Lecturer in Latin, University of Liverpool, and Private Tutor, 1908-11.
Married, 1911, *Mr. Percy Fallowfield Kipling*. One son.
- HARRISON, JANE ANNETTA**,.....See page 21.
Fellow in German, 1909-10.
- HARRISON, JULIA PEACHY**,.....1214 Floyd Avenue, Richmond, Va.
Fellow in Chemistry, 1913-14. A.B., Richmond College, 1906, and A.M., 1908, B.S., 1909; Ph.D., Johns Hopkins University, 1912. Graduate Student, Johns Hopkins University, 1909-12; Teacher in the High School, Richmond, 1907-08; Carnegie Research Assistant, Johns Hopkins University, 1912-13; Reader and Demonstrator in Chemistry, Bryn Mawr College, 1914-15; Head of Department of Chemistry, Sweet Briar College, Sweet Briar, Va., 1915-16.
- HASEMAN, MARY GERTRUDE**,.....Linton, Ind.
Fellow in Mathematics, 1913-15. A.B., University of Indiana, 1910. Professor of Mathematics in Vincennes University, 1910-11; Graduate Scholar in Mathematics, Bryn Mawr College, 1911-12, and Graduate Student, 1913-14; Graduate Student in Mathematics, Johns Hopkins University, 1915-16.

- HATCH, LAURA**, 1210 Astor Street, Chicago, Ill.
Fellow in Geology, 1912-13. A.B., Vassar College, 1906; M.S., University of Chicago, 1911. Teacher in the University School for Girls, Chicago, 1906-07; in the High School, Aurora, Ill., 1907-10; Assistant in the Laboratory, University of Chicago, 1910-11; Instructor in Geology, Wellesley College, 1911-12; Fellow in Geology, University of Chicago, 1913-14; Assistant in the Geological Department, Barnard College and Graduate Student in Geology, Columbia University, 1914-15; Lecturer in Geology, Barnard College, and Instructor in Geography, Extension Teaching, Columbia University, 1915-16.
- HAZEN, ANNAH PUTNAM**, 68 Washington Square, New York City.
Fellow in Biology, 1898-99. L.B., Smith College, 1895; S.M., Dartmouth College, 1897, Graduate Student in Biology, Dartmouth College, 1895-96; Graduate Scholar in Biology, Bryn Mawr College, 1897-98; Teacher of Biology in the State Normal School, Plymouth, N. H., 1899-1900; Assistant in Zoology, Smith College, 1900-03; Teacher of Biology in the Wadleigh High School, New York City, 1903-09; First Assistant in Biology in the Eastern District High School, Brooklyn, N. Y., 1909-16.
- HAZLEWOOD, CHARLOTTE WILLIAMS**, 161 Allen Avenue, Lynn, Mass.
Fellow in Greek, 1898-99. A.B., Wellesley College, 1891. Teacher of Greek and Latin in the Classical High School, Lynn, 1891-96; Graduate Student, Yale University, 1896-97, and Graduate Scholar, 1897-98; Substitute Head of Greek and Latin Department, Pennsylvania College for Women, Pittsburgh, Pa., Second Semester 1910; Literary and Artistic Work, Book Designing, 1910-12.
- HENRY, MARGARET EDITH**, 1108 East 62nd Street, Chicago, Ill.
Fellow in Philosophy, 1900-01. A.B., University of Nebraska, 1898, and A.M., 1900; A.M., Radcliffe College, 1902; Ph.D., Columbia University, 1906. Graduate Scholar in Philosophy, University of Nebraska, 1898-99, and Fellow, 1899-1900; Graduate Student, Radcliffe College, 1901-02; Graduate Student, Columbia University, 1904-06.
Married, 1904, *Dr. Alvin Saunders Johnson*.
- HICKS, AMY MAUD**, 33 Downside Crescent, Hampstead, London, England.
Fellow in Greek, 1904-05. A.B., University of London, 1900, and A.M., 1901. Student, Girton College, University of Cambridge, England, 1895-99, Classical Tripos, Part I, 1898, Part II, 1899; Student, University College, London, 1900-02; Teacher of Classics in St. Mary's College, Paddington, London, 1906-09.
- HIGHET, MARY ELIZABETH**, Cobourg, Ontario, Canada.
Fellow in German and Teutonic Philology, 1896-97. A.B., Victoria University, 1891, and A.M., 1892; Ph.M., Cornell University, 1894, and Ph.D., 1895. Teacher of Modern Languages, Bowmanville High School, 1892-93; Professor of Modern Languages and History, State Normal School, New Paltz, N. Y., 1897-1900; University of Berlin, 1901-02; Professor of German, Elmira College, 1902-16.
- HILL, SARAH D.**, Irvington, Ind.
Fellow in Teutonic Philology, 1904-05. A.B., Earlham College, 1901. Graduate Scholar, Bryn Mawr College, 1903-04; Assistant in German and French, Earlham College, 1905-08.
Married, 1908, *Professor Milton D. Baumgartner*. One son, one daughter.
- HOOPER, EDITH SOPHIA**, . . Heathersby, Chislehurst Road, Kent, England.
Fellow in English, 1900-01. M.A., University of Edinburgh, 1900, Honours in Philosophy, 1899, in English, 1900.
- HOPKINS, MARY DELIA**, Clinton, N. Y.
Fellow in English, 1896-97. A.B., Bryn Mawr College, group, English and German, and A.M., 1896. Reader in English, and Graduate Student, Bryn Mawr College, 1897-98, and Reader in English, 1899-1901; Teacher of Latin and English in the Granger Place School, Canandaigua, N. Y., 1902-04; Teacher of English in the Balliol School, Utica, N. Y., 1901-02, and of English, German, and Latin, 1905-08; Teacher of English and Latin in Miss Davidge's School, New York City, and Private Tutor, 1904-05; Teacher of Latin, German, and English in the Velton School, New York City, 1908-13, and Graduate Student, Columbia University, 1908-12; Volunteer Suffrage Worker, 1915-16.
- HORTON, GOLDIE PRINTIS**, Quanah, Tex.
Fellow in Mathematics, 1912-13. A.B., University of Texas, 1908; A.M., Smith College, 1910. Teacher of Mathematics in the High School, Grandview, Texas, 1908-09; Fellow in Mathematics, Smith College, 1909-10; Head of Department of Mathematics in the High School, Amarillo, Tex., 1910-12; Graduate Student and Tutor in Mathematics, University of Texas, 1913-16.

- HOWELL, JANET TUCKER, 232 West Lanvale Street, Baltimore, Md.
Helen Schaeffer Huff Research Fellow in Physics, 1913-14. A.B., Bryn Mawr College, 1910; A.M., Johns Hopkins University, 1912 and Ph.D., 1913. Graduate Student in Physics, Johns Hopkins University, 1910-13; Lecturer in Physics, Bryn Mawr College, 1914-15; Holder of Sarah Berliner Research Fellowship for Women and Worker in Mt. Wilson Solar Observatory, Pasadena, 1915-16.
- HOWELL, JEAN KIRK, 123 West 7th Street, Plainfield, N. J.
Fellow in Biology, 1891-92. Ph.B., Cornell University, 1888, and S.M., 1890. Assistant in Botany, Barnard College, 1892-96; Teacher of Science in the Phillips High School, Watertown, Mass., 1898-99; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1899-1905, and in the Plainfield Seminary, Plainfield, 1905-16.
- HUBBARD, ALICE PHILENA FELICIA, See page 21.
Fellow in Romance Languages, 1914-15.
- HUGHES, WINONA ALICE, Holden Hall, University of Wooster, Wooster, O.
Fellow in Chemistry, 1900-01. Ph.B., University of Wooster, 1891. Graduate Student, Cornell University, Summer School, 1894; Harvard University, Summer School, 1895; University of Chicago, 1897-99; Teacher of Science in the Public Schools, Marion, O., 1892-97, and in the High School, Mansfield, O., 1899-1900; Teacher of Science in the High School, Ottumwa, Ia., 1901-02; Teacher of Chemistry and Zoology in the High School, Mansfield, Ia., 1902-06; Instructor in Chemistry, Mt. Holyoke College, 1906-11; Field Secretary, College of Wooster, 1911-12, and Dean of Women and Instructor in the History of Art, 1912-15.
- HUTCHINSON, ANABELLE ROXBURGH,
Brookside, Catterick, Yorkshire, England.
Fellow in Romance Languages, 1899-1900. Newnham College, University of Cambridge, England, 1895-99; Mediæval and Modern Languages Tripos, 1898; Sorbonne, 1900-01; Assistant Librarian, University Library, Cambridge, 1902-05; Assistant Lecturer in French, Newnham College, 1904-06; Examiner in French and Italian, Joint Board Matriculation, 1909-12; Examiner in Spanish, Cambridge Local Examinations and Schools for the same Board, 1912-15; French Lecturer, Homerton Training College, 1913-16.
- HYDE, IDA H., Lawrence, Kan.
Fellow in Biology, 1892-93. S.B., Cornell University, 1891; Ph.D., University of Heidelberg, 1896. Student Assistant in Biology, Bryn Mawr College, 1891-92; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Strassburg, 1893-94; Holder of the Phebe Hunt Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Heidelberg, 1894-96; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1898-99; Professor of Physiology, and Head of Department of Physiology, University of Kansas, 1899-1916.
- HYDE, WINIFRED FLORENCE, 1039 C Street, Lincoln, Neb.
Fellow in Philosophy, 1902-04. A.B., University of Nebraska, 1900, and Ph.D., University of Jena, 1911. Scholar in Philosophy, University of Nebraska, 1900-01; University of Denver, Summer of 1901; Teacher in the High School, Lincoln, Neb., 1901-02; Scholar in Philosophy, Cornell University, 1904-05; Holder of the European Fellowship of the Boston Woman's Educational Association and Student at the University of Jena, 1905-11; Instructor in Philosophy, University of Nebraska, 1911-12, Adjunct Professor, 1912-13, and Assistant Professor, 1913-15.
- ISHAM, MARY KEYT, 149 West 79th Street, New York City.
Fellow in Philosophy, 1899-1900. A.B., Wellesley College, 1894; A.M., University of Cincinnati, 1898; M.D., Laura Memorial Medical College, 1903. Graduate Student in Philosophy and Psychology, University of Cincinnati, 1897-98; Graduate Student in Philosophy and Psychology, University of Chicago, 1898-99; Lecturer on Psychology and Student, Laura Memorial Medical College, Cincinnati, 1900-03; Interne and House Physician at the Presbyterian Hospital, Cincinnati, 1903-04; Secretary, Academy of Medicine of Cincinnati, 1907-08; Assistant Physician, Columbus State Hospital, Columbus, O., 1908-15; Physician, 1904-16.
- JARVIS, MAY MASON, Newell Place, Avenue A, San Antonio, Tex.
Fellow in Biology, 1909-10. A.B., University of Texas, 1906, and A.M., 1908. Tutor in Zoology, University of Texas, 1907-09, 1910-11.
Married, 1911, Mr. George S. Newell. One daughter, one son.
- JONES, LAURA LUCINDA, Box 353, Cobourg, Ontario, Canada.
Fellow in English, 1894-95. A.B., University of Toronto, 1891. Teacher of Modern Languages in the Collegiate Institute, Kingston, Ont., 1895-97; Teacher of English, and Student in German in the Höhere Töchter Schule Tegel, Eberswalde, Berlin, 1897-98; Teacher of English, French, and German in the Collegiate Institute, Cobourg, 1898-1915; Member of the Board of the Public Library, Cobourg, 1904-15.

KELLOGG, ANGIE LILLIAN,.....Watertown, N. Y.

Fellow in Philosophy, 1911-13. A.B., Vassar College, 1903, and A.M., 1904. Teacher in the High School, Schenectady, N. Y., 1904-10, and in the High School, Hasbrouck Heights, N. J., March to June, 1911; Graduate Scholar and Fellow by Courtesy in Philosophy, 1913-14.

KEYS, FLORENCE V.,.....87 Avenue Road, Toronto, Canada.

Fellow in Greek, 1891-92; Fellow in English, 1892-93. A.B., University of Toronto, 1891. Examiner in English, University of Toronto, 1894-95; Reader in English, Bryn Mawr College, 1893-97, and Graduate Student in English, 1895-96; University of Oxford, England, 1897-98; University of Berlin, 1898-99; Reader in English, College Entrance Examination Board, 1900-02; Student, University of Munich, 1904-05; Instructor in English, Vassar College, 1899-1904, and Associate Professor of English, 1904-14.

KING, GEORGIANA GODDARD,.....Garrett Hill P. O., Rosemont, Pa.

Fellow in Philosophy, 1896-97; Fellow in English, 1897-98. A.B., Bryn Mawr College, and George W. Childs Prize Essayist, 1896, group, Political Science and Philosophy, and A.M., 1897. Student at the Collège de France, First Semester, 1898-99; Teacher of English, Philosophy, and History of Art in the Misses Graham's School, New York City, 1899-1906; Reader in English, Bryn Mawr College, 1906-11; Lecturer in the History of Art and Comparative Literature, 1911-14; Lecturer in the History of Art, 1914-15, and Associate Professor, 1915-16.

KING, HELEN DEAN,.....17 Elliott Avenue, Bryn Mawr, Pa.

Fellow in Biology, 1897-98. A.B., Vassar College, 1892; Ph.D., Bryn Mawr College, 1901, subjects, Morphology, Palæontology, and Physiology. Graduate Student in Biology, Vassar College, and Assistant in the Biological Laboratory, 1894-95; Graduate Scholar in Biology, Bryn Mawr College, 1895-96, and Graduate Student in Biology, 1896-97 and 1901-06, and Fellow by Courtesy in Biology, 1898-1901; Teacher of Science in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1899-1907; University Fellow for Research in Zoology, University of Pennsylvania, 1906-08; Investigator, Wistar Institute of Anatomy and Biology, Philadelphia, 1908-09, Assistant in Anatomy, 1909-10, Associate in Anatomy, 1910-13, and Assistant Professor of Embryology, 1913-16.

KING, HELEN MAXWELL,.....See page 27.

Fellow in Romance Languages, 1909-10.

KING, LIDA SHAW,.....Cushing Street, Providence, R. I.

Fellow in Greek, 1899-1900. A.B., Vassar College, 1890; A.M., Brown University, 1894; D.Lit., Mt. Holyoke College, 1912; LL.D., Western Reserve University, 1913. Fellow in Greek, Vassar College, 1894-95; Instructor in Greek and Latin, Vassar College, 1895-97; Graduate Student in Greek and Greek History, Harvard University, 1897-98; Instructor in Latin, Packer Collegiate Institute, Brooklyn, New York City, 1898-99; Student, American School of Classical Studies, Athens, 1899-1901; Holder of the Agnes Hoppin Memorial Fellowship, 1900-01; Director of Classical Department, Packer Collegiate Institute, 1901-02; Dean of the Women's College, and Assistant Professor of Classical Philology in Brown University, 1905-09; Dean of the Women's College and Professor of Classical Literature and Archæology, 1910-16.

KING, MARIE SEWARD,.....920 High Street, Grinnell, Ia.

Fellow in German, 1910-11. A.B., Olivet College, 1907, and A.M., 1908. Professor of German and French, Des Moines College, 1908-09; Graduate Student, Bryn Mawr College, 1909-10, and Substitute Reader in French, March to June, 1910; Instructor in French, Grinnell College, 1911-12, and in German, 1912-15.

LAIRD, ELIZABETH REBECCA,.....See page 28.

Fellow in Physics, 1897-98.

LAMBERTON, HELEN,.....753 Corinthian Avenue, Philadelphia.

Fellow in Physics, 1908-09. A.B., Bryn Mawr College, 1907, group, Mathematics and Physics, and A.M., 1908. Graduate Scholar in Physics, Bryn Mawr College, 1907-08; Graduate Student, University of Pennsylvania, and Teacher of Physics in the Girls' High School, Philadelphia, 1909-10; Teacher of Mathematics in the Germantown High School for Girls, Philadelphia, 1910-16.

LANGENBECK, CLARA,.....See page 28.

Fellow in Biology, 1895-96.

LANSING, RUTH,.....53 Crawford Street, Roxbury, Mass.

Fellow in Romance Languages, 1911-12. A.B., Radcliffe College, 1908, and A.M., 1909, and Ph.D., 1914. Instructor in Wells College, September to November, 1909. Graduate Student, Radcliffe College, 1908-09, 1912-14; Professor of French, Oxford College for Women, Oxford, O., 1915-16.

LEFTWICH, FLORENCE, See page 28.
Fellow in Romance Languages, 1902-03.

LEWIS, FLORENCE PARTHENIA, See page 28.
Fellow in Philosophy, 1898-99.

Longbottom, Gertrude, The Hollies, Louth, Lincolnshire, England.
Fellow in Mathematics, 1897-98. Girton College, University of Cambridge, England, 1893-97; Mathematical Tripos, Part I, 1896; Part II, 1897. M.A., Trinity College, Dublin, 1905. Teacher of Latin in the Municipal Technical School, Louth, 1899-1900, and Teacher of Mathematics, 1900-06; Governor of King Edward VI Girls' Grammar School, Louth, 1903-16; Manager of the Louth British (Elementary) School, 1904-16.

LORD, ELEANOR LOUISA, 2426 Guilford Avenue, Baltimore, Md.
Fellow in History, 1889-90, 1895-96. A.B., Smith College, 1887, and A.M., 1890; Ph.D., Bryn Mawr College, 1898, subjects, History and Political Science. Instructor in History, Smith College, 1890-94; Holder of the European Fellowship of the Women's Educational Association of Boston, and Student in History, Newnham College, University of Cambridge, England, 1894-95; Instructor in History, Goucher College, 1897-1901; Associate Professor, 1901-04, and Professor of History, 1904-11; President of the History Teachers' Association of Maryland, 1908-09; Dean of Goucher College, 1911-16.

LOVELL, HELEN LOUISA, Hardin College, Mexico, Mo.
Fellow in Greek, 1887-88. A.B., University of Michigan, 1887. Graduate Student, University of Michigan, 1888-89; Teacher of Latin and History in the Girls' Classical School, Indianapolis, Ind., 1889-90; Associate in Greek and Latin, Woman's College of Baltimore, 1890-91; and Associate Professor, 1891-93; Acting Professor of Greek and Latin, Earlham College, 1893-94; Graduate Student, University of Chicago, 1894-95, and Fellow in Greek, 1895-96; Professor of Greek, Hardin College, Mexico, 1896-1900, Professor of Greek and Philosophy, 1900-05, and Professor of Latin and Greek, 1905-16.

Married, 1896, *Mr. John Wilson Million*. Two daughters, two sons.

LOWATER, FRANCES, Wellesley College, Wellesley, Mass.
Fellow in Physics, 1896-97. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906, subjects, Physics, Mathematics and Applied Mathematics. University College, Nottingham, England, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Demonstrator in Physics, Bryn Mawr College, 1893-96, 1897-98, 1899-1905, and 1907-10; Graduate Scholar in Physics, 1897-98, and Graduate Student in Physics and Mathematics, 1894-96, 1899-1900; Secretary of Bryn Mawr College, 1898-99; Acting Associate Professor of Physics, the Western College, Oxford, O., 1910-11; Professor of Physics, Rockford College, 1911-15; Volunteer Research Assistant, Yerkes Observatory, Summers 1911, 1913, 1915; Instructor in Physics, Wellesley College, 1915-16.

LUNDIE, ELIZABETH HELEN, 36 Fort Street, Montreal, Canada.
Fellow in Physics, 1905-06. A.B., McGill University, 1903, and M.Sc., 1904. Assistant in Chemistry in the High School, Montreal, 1908-16.

MACDONALD, MARGARET BAXTER, State College, Pa.
Fellow in Chemistry, 1898-99. Pennsylvania State College, 1893-95; B.S., Mt. Holyoke College, 1898; Ph.D., Bryn Mawr College, 1902, subjects, Chemistry and Physiology. Student Assistant in Chemical Laboratory, Mt. Holyoke College, 1895-97; Graduate Scholar in Chemistry and Physiology, Bryn Mawr College, 1897-98, and Pepper Fellow in Chemistry, University of Pennsylvania, 1899-1900; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Teacher of Chemistry and Physics, Asheville College, Asheville, N. C., 1901-02; Professor of Chemistry, New Jersey State Normal School, 1902-04; Instructor in Chemistry, Vassar College, 1905-06; Assistant Chemist, Delaware College Experimental Station, 1906-07; Instructor in Chemistry, Pennsylvania State College, 1907-10, Assistant Professor of Agricultural Chemistry, 1910-13, and Associate Professor, 1913-16.

MACLEOD, ANNIE LOUISE, Earltown, Nova Scotia.
Fellow in Chemistry, 1909-10; Research Fellow in Chemistry, 1910-12. A.B., McGill University, 1904, M.Sc., 1905, and Ph.D., 1910. Demonstrator in Chemistry, McGill University, 1905-08; Assistant in Chemistry, Barnard College, 1908-09; Reader in Physiological Chemistry and Demonstrator in Chemistry, Bryn Mawr College, 1912-14; Instructor in Chemistry, Vassar College, 1914-16.

MADDISON, ISABEL, See page 28.
Fellow in Mathematics, 1893-94.

MANN, CARRIE ALICE, Died, 1905.

Fellow in Mathematics, 1903-04. A.B., Wellesley College, 1893. Graduate Student, Bryn Mawr College, and Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1901-03; Teacher of Mathematics in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1904-05.

MARCUSE, BELLA, 1965 Fourteenth Avenue West, Vancouver, B. C.

Fellow in Chemistry, 1904-05. A.B., McGill University, 1900, and M.Sc., 1903. Student, University of Breslau, 1900-01; Assistant, McGill Model School, Montreal, Canada, January to June, 1904; Student in French, McGill University, 1905-07, and Private Tutor, 1905-08; Recording Secretary of the National Council of Women of Canada, 1908-11.

Married, 1908, *Professor Douglas McIntosh*. One daughter, one son.

MARTIN, EMILIE NORTON, See page 28.

Fellow in Mathematics, 1895-96.

MASON, GERTRUDE HELEN, 2627 Channing Way, Berkeley, Cal.

Fellow in English, 1887-88. Ph.B., University of Michigan, 1876, and Ph.M., 1888. Graduate Student in English, University of Michigan, 1888-89; Teacher of English in the High School, Petaluma, Cal., 1889-95, in the High School, San Diego, Cal., 1895-96; Graduate Student in English, Leland Stanford, Jr., University, 1896-97, and 1900-01; Assistant to Dr. Ewald Flügel on Chaucer Lexicon, 1904-05; Teacher of English in the Kern County High School, Bakersfield, Cal., 1897-98, and in the Union High School, Haywards, Cal., 1899-1900; Accredited Tutor in English, Leland Stanford University, 1900-02; Private Tutor in English, 1905-16.

MATHEWS, IRENE MAUD, .. Holly House, Duke Street, Sheffield, England.

Fellow in Physics, 1910-11. Girton College, University of Cambridge, England, 1906-10; First Class Honours, Cambridge Mathematical Tripos, Part I, 1909, and Part II, 1910. Assistant Mistress, the High School for Girls, Manchester, England, 1911-13; Senior Mathematical and Physics Mistress, City and County School, Chester, England, 1913-16.

McCAIN, GERTRUDE IONA, Delphi, Ind.

Fellow in Mathematics, 1911-12. A.B., Indiana University, 1908, and A.M., 1911. Teacher in the High School, Delphi, 1897-99; Principal of the Friends' High School, Salem, Ind., 1908-09; Teaching Fellow in Mathematics, Indiana University, 1910-11; Instructor in Mathematics and English in the High School, Delphi, 1913; Graduate Student, Indiana University, 1914, and Fellow in Mathematics, 1914-15; Professor of Mathematics, Oxford College for Women, Oxford, O., 1915-16.

McNAIR, GRACE ELIZABETH, Brodhead, Wis.

Fellow in History, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1899. Assistant in History in the High School, Madison, Wis., 1899-1900; Assistant in Latin, German, and History in the High School, Brodhead, 1902-04.

MEDES, GRACE, 430 Prospect Boulevard, Kansas City, Mo.

Fellow in Biology, 1913-15. A.B., Kansas State University, 1904, and A.M., 1913.

MERRILL, KATHARINE,

J. B. Pond Lyceum Bureau, Metropolitan Life Building, New York City.

Fellow in English, 1890-91. A.B., University of Kansas, 1889. Graduate Student in English, Bryn Mawr College, 1889-90; Harvard Annex, 1891-92; Assistant Professor of English Language and Literature, University of Illinois, 1892-97; Fellow in English, University of Chicago, 1897-98; Teacher of English, Austin High School, Chicago, Ill., 1898-1903; Teacher of the History of Literature in the Leland Powers School of the Spoken Word, Boston, 1905-08; Teacher of Expression and Reading, Boston Normal School, 1908-11; Lecturer on the Theatre, 1915-16.

MILES, CAROLINE, Bloomington, Ind.

Fellow in History, 1891-92. A.B., Earlham College, 1887; A.M., University of Michigan, 1890, and Ph.D., 1892. Teacher of Latin in the Friends' Academy, Bloomington, Ind., 1888-89; University of Michigan, 1889-91; Instructor in Philosophy and Political Economy, Mt. Holyoke College, 1892-93; Tutor in History, Wellesley College, 1893-94, and Instructor in Psychology, 1894-95; University Extension Work, Chicago, 1897-1900; Assistant Reference Librarian, John Crerar Library, Chicago, 1900-04; Principal of Friends' Academy, Bloomington, 1911-12.

Married, 1895, *Mr. William Hill*.

MILLMAN, MABEL HELEN,

735 Bloor Street West, Toronto, Ontario, Canada.

Fellow in French, 1908-09. A.B., University of Toronto, 1907. Graduate Student, University of Toronto, June, 1907, to January, 1908, 1910-12; Teacher of History in the Westbourne School, Toronto, January to June, 1908, and of Latin in Havergal College, Toronto, April to June, 1908; Teacher of English in Westminster College, Toronto, 1913-14; English Essay Reader, University of Toronto, and Private Tutor, 1911-16.

Married, 1912, *Dr. Clarence Meredith Hincks*.

MORRIS, MARGARET SHOVE, . . . 1904 Mt. Royal Avenue, Baltimore, Md.

Fellow in History, 1907-08. A.B., Woman's College of Baltimore, 1904; Ph.D., Bryn Mawr College, 1911, subjects, History and English. Holder of Foundation Scholarship, Bryn Mawr College, 1904-06; Alumnae Fellow of the Woman's College of Baltimore and Research Student at the Public Record Office, London, 1906-07; Instructor in History, Mt. Holyoke College, 1908-14, and Associate Professor, 1914-16.

MORSE, KATE NILES, See page 29.

Fellow in Greek, 1900-01.

MORTON, CAROLINE MILLARD, . . . 131 Superior Street, Providence, R. I.

Fellow in Classical Archaeology, 1912-13. A.B., Brown University, 1910, and A.M., 1911. Graduate Scholar in Greek, Bryn Mawr College, 1911-12.

MORY, RUTHELLA BERNARD, The Somerset, Baltimore, Md.

Fellow in History, 1899-1900. A.B., Woman's College of Baltimore, 1897; Ph.M., University of Chicago, 1899. Student in English and History, University of Oxford, England, 1897-98; Graduate Student in History and History of Art, University of Chicago, 1898-99; Student, London School of Economics, 1900; Research Work in History in the British Museum and in the Public Record Office, London, 1900-02; Writer on History, 1910-11.

Married, 1903, *Mr. Arthur Barneveld Bibbins*.

NEILSON, NELLIE, Mt. Holyoke College, South Hadley, Mass.

Fellow in History, 1894-95. A.B., Bryn Mawr College, 1893, group, Greek and English, A.M., 1894, and Ph.D., 1899, subjects, History and English. Graduate Student, Bryn Mawr College, 1893-94, 1895-96, 1900-01; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1895-96; Research Work in History in Cambridge, England, and in the Public Record Office, London, 1896-97; Teacher of History in Miss Irwin's School, Philadelphia, 1897-1900; Private Research Work, 1897-1905, 1908-09; Reader in English, Bryn Mawr College, 1900-02; Instructor in History, Mt. Holyoke College, 1902-03; Acting Professor of European History, 1903-04, and Professor of History, 1904-16; in England on leave of absence, 1908-09, Second Semester, 1911-12, 1915-16.

NICHOLS, ELIZABETH, 1918 North Pennsylvania Street, Indianapolis, Ind.

Fellow in Biology, 1893-94. A.B., Bryn Mawr College, 1893, group, Chemistry and Biology. Graduate Student, Bryn Mawr College, 1894-95; Teacher of Science in the Girls' High School, Philadelphia, 1895-96; Secretary of the Indianapolis Branch of the Needlework Guild of America, 1904-13.

Married, 1896, *Mr. Charles W. Moores*. One daughter, one son.

NORTHWAY, MARY ISABEL,

1657 Burnaby Street, Vancouver, B. C., Canada.

Fellow in Physics, 1900-01. A.B., University of Toronto, 1898. Ontario Normal College, 1898-99; Graduate Scholar in Physics, Bryn Mawr College, 1899-1900; Student of Domestic Science, 1901-02; Assistant in Physics Department, Smith College, 1902-03.

Married, 1904, *The Rev. R. J. Wilson*. One daughter.

NOWLIN, NADINE, See page 29.

Fellow in Biology, 1905-06.

O'GRADY, MARCELLA I., Würzburg, Bavaria.

Fellow in Biology, 1887-89. S.B., Massachusetts Institute of Technology, 1885. Teacher of Science in the Bryn Mawr School, Baltimore, Md., 1885-87; Demonstrator in Biology, Bryn Mawr College, 1888-89; Associate Professor of Biology, Vassar College, 1889-93, and Professor of Biology, 1893-96.

Married, 1897, *Professor Theodore Boveri*.

OLSEN, SOPHIE YHLEN, Rektorboligen, Roskilde, Denmark.

Fellow in Teutonic Philology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Greek and Latin, and A.M., 1899. A.M., University of Copenhagen, 1902. Graduate Scholar

- in English and Teutonic Philology, Bryn Mawr College, 1898-99; Student, Universities of Copenhagen and Leipsic, 1900-01; University of Copenhagen, 1901-02; Teacher of English Literature in the Zahle Institute for Teachers, Copenhagen, 1905-11; and Teacher of English in the State College for Teachers, Copenhagen, 1908-12.
- Married, 1902, *Dr. Henrik Bertelsen*. Two daughters, one son.
- PARKER, EMMA HARRIET**,Charlestown, N. H.
Fellow in Chemistry, 1893-94. B.S., Smith College, 1887. Graduate Student in Chemistry, Bryn Mawr College, 1892-93, and Graduate Scholar in Chemistry, 1894-95; Instructor in Chemistry, Wellesley College, 1895-97; Teacher of Science in the High School, New Bedford, Mass., 1897-1900; Teacher of Chemistry in the High School, Newton, Mass., 1900-13; Student of Chemistry, the Sorbonne and University of Berlin, 1909-10; Student in the School for Social Workers, Boston, Mass., 1913-14.
- PARKHURST, HELEN HUSS**,See page 29.
Fellow in Philosophy, 1914-15.
- PARRIS, MARION**,See page 29.
Fellow in Economics and Politics, 1905-06.
- PARSONS, VERA LILLIAN**,
Central Neighbourhood House, 82 Gerrard West, Toronto, Canada.
Fellow in Romance Languages, 1913-14. B.A., University of Toronto, 1911, and M.A., 1912. Graduate Scholar in English, Bryn Mawr College, 1912-13; Social Centre Director, Central Neighbourhood House, 1915-16.
- PASCHALL, ANNIE GOODE**,Died, 1895.
Fellow in Greek, 1894-95. A.B., Vanderbilt University, 1894.
- PEEBLES, FLORENCE**,See page 29.
Fellow in Biology, 1896-97.
- PEEBLES, ROSE JEFFRIES**,Vassar College, Poughkeepsie, N. Y.
Fellow in English, 1907-08. A.B., Mississippi State College for Women, 1891. Ph.D., Bryn Mawr College, 1911, subjects, English Philology, English Literature, and Old French. University of Chicago, Summer, 1897, 1898, 1905; Harvard University, Summer, 1902; Columbia University, Summer, 1903; Graduate Student in English, Bryn Mawr College, 1906-07, and Graduate Scholar and Fellow by Courtesy in English, 1908-09; Special Research Scholar and Student, British Museum and Bodleian Library, Oxford, Summer, 1909; Instructor in English, Vassar College, 1909-14, and Assistant Professor, 1914-15.
- PERKINS, ELIZABETH MARY**,See page 30.
Fellow in Latin, 1902-03.
- PERRY, LORINDA**,Rockford College, Rockford, Ill.
Fellow in Economics and Politics, 1911-13. A.B., University of Illinois, 1909, and A.M., 1910. Radcliffe Fellow, Women's Educational and Industrial Union, Boston, Mass., 1910-11; Head of Department of Political and Social Science, Rockford College, 1914-16.
- PETTY, MARY**,211 South Ashe Street, Greensboro, N. C.
Fellow in Chemistry, 1895-96. S.B., Wellesley College, 1885. Teacher of Latin, Guilford College, 1888-93; Teacher of Chemistry and Physics in the State Normal and Industrial College, Greensboro, 1893-95, and 1896-99, and Head of Department of Chemistry, 1899-1915.
- PINNEY, MARY EDITH**,See page 30.
Fellow in Biology, 1910-11.
- POTTS, LAURETTE EUSTIS**,155 East 22nd Street, New York City.
Fellow in English, 1899-1900. Mistress of Pembroke Hall East, Bryn Mawr College, 1895-96. A.B., Bryn Mawr College, 1896, group, Latin and English. Sorbonne and Collège de France, 1896-97, Graduate Student, Bryn Mawr College, 1897-98, Reader in English, 1897-99; Student, University of Munich, 1900-01; Secretary, Church Mission of Help, New York, 1915-16.
- Married, 1905, *Mr. Lewis Frederic Pease*. One son, one daughter.
- PURDIE, ELEANOR**,Ortler, Prestbury, Gloucestershire, England.
Fellow in Greek, 1895-96. Newnham College, University of Cambridge, England, 1890-94; Classical Tripos, Part I, First Class, 1893; Part II, 1894; Ph.D., University of Freiburg, 1897. Holder of the Marion Kennedy Studentship, and Student in Indo-European Philology, University of Freiburg, 1894-95; Classical Mistress in the Notting Hill High School, London, 1897-98; Head Classical Tutor, Cheltenham Ladies' College, Cheltenham, England, 1898-1916.

- RABOURN, SARA BREWER FRANCIS**,..... Centralia, Mo.
Fellow in Mathematics, 1906-07. A.B., University of Missouri, 1902, and A.M., 1904.
Scholar in Mathematics, University of Missouri, 1903-04; Assistant Principal and
Teacher of Mathematics in the High School, Fredericktown, Mo., 1907-08, and Principal
1908-09; Head of the Mathematical Department in the High School, Hannibal, Mo.,
1909-11; Student, American School of Classical Studies, Rome, Winter Term, 1911-12,
and Newnham College, Cambridge, England, Spring Term, 1912; Instructor in Mathe-
matics, State Normal School, Springfield, Mo., 1913; and in the Polytechnic High
School, Santa Ana, Cal., 1913-14; Head of Department of Mathematics in the High
School, Visalia, Cal., 1914-15.
- RAGSDALE, VIRGINIA**,..... See page 30.
Fellow in Mathematics, 1902-03.
- RAND, MARIE GERTRUDE**,..... See page 9.
Fellow in Philosophy, 1909-10, and Fellow in Psychology, 1910-11.
- RANDOLPH, HARRIET**,..... 1310 South 47th Street, Philadelphia.
A.B., Bryn Mawr College, 1889; Ph.D., University of Zürich, 1892. Fellow in Biology,
Bryn Mawr College, 1889-90; University of Zürich, 1890-92; Graduate Student, Bryn
Mawr College, 1896-97, 1912-13, Demonstrator in Biology, 1892-1913, and Reader in
Botany, 1893-1913; Travelling, 1913-16.
- REED, BERTHA**,..... University of Montana, Missoula, Mont.
Fellow in Teutonic Philology, 1906-07. Illinois Woman's College, 1893-96; Ph.B.,
De Pauw University, 1898, and A.M., 1900; Ph.D., University of Chicago, 1913. Uni-
versity of Berlin, Winter Semester, 1902-03. University of Zürich, 1903, 1903-04;
Instructor in German, Bradley Polytechnic Institute, Peoria, Ill., 1907-09; University
Extension Lecturer, University of Montana, 1915-16.
Married, 1909, *Mr. George Raleigh Coffman*.
- REED, MARGARET ADALINE**,..... 1931 East 31st Street, Baltimore, Md.
Fellow in Biology, 1908-09. A.B., Woman's College of Baltimore, 1901. Graduate
Student in Biology, Bryn Mawr College, 1901-03, and Graduate Scholar, 1902-03.
Wood's Holl Laboratory, Summers of 1900 and 1902; Assistant in Zoological Laboratory,
Columbia University, 1903-05; University of Zürich, Summer, 1906; Assistant in
Zoology, Columbia University, 1903-06; Lecturer in Physiology, New York Medical
College for Women, and Barnard College, 1904-07; Instructor in Biology, Barnard
College, 1907-08; Student in Berlin Königliches Institut für Infektionskrankheiten,
Summer, 1908; Research Work in Johns Hopkins University Medical Department,
1910-11, 1913-14; Instructor in Anatomy and Physiology, Johns Hopkins Training
School for Nurses, 1911-12; Collaborator, Carnegie Institution, Department of Embry-
ology, 1915-16.
Married, 1910, *Dr. Warren H. Lewis*. One daughter, one son.
- REIMER, MARIE**,..... See page 30.
Fellow in Chemistry, 1899-1900, 1901-02.
- REYNOLDS, GRACE POTTER**,..... Fairfield Avenue, Stamford, Conn.
Fellow in Chemistry, 1908-09. A.B., Smith College, 1904; A.M., Columbia University,
1905; Ph.D., Bryn Mawr College, 1910, subjects, Organic Chemistry, Physical and
Inorganic Chemistry and Physics. Graduate Student, Columbia University, 1904-05;
Assistant in Chemistry, Smith College, 1905-06; Assistant in Chemistry, Barnard Col-
lege, 1906-08; Graduate Student, Bryn Mawr College, 1909-10; Research Worker in
Chemistry, Barnard College, 1910-12.
Married, 1913, *Mr. Winthrop Merton Rice*. One daughter († 1914).
- REYNOLDS, MINNIE BEATRICE**,
274 N. Mountain Avenue, Upper Montclair, N. J.
Fellow in Greek, 1897-98. A.B., University of California, 1895, and A.M., 1897. In-
structor in Greek and Latin in the High School, Centerville, Cal., 1896-97; Fellow
by Courtesy in Greek, Bryn Mawr College, 1898-99; Teacher of Latin in the Misses
Shipley's School, Bryn Mawr, Pa., 1898-99; Instructor in Latin, Vassar College,
1899-1900; Instructor in Greek in the High School, Los Angeles, Cal., 1900-01; Teacher
of Greek and Latin in the High School, San Francisco, 1901-03.
Married, 1903, *Mr. James A. Kinkead*. Four sons.
- RITCHIE, MARY HELEN**,..... Died, 1905.
Fellow in Latin, 1898-99. A.B., Bryn Mawr College, 1896, group, Greek and Latin.
A.M., 1897, and Ph.D., 1902, subjects, Latin and Greek. Graduate Scholar in Greek
and Latin, Bryn Mawr College, 1896-97, Graduate Student, 1897-98; Secretary of Bryn
Mawr College, 1899-1904.

- ROCK, AMY CORDOVA, 1455 Belmont Street, Washington, D. C.
 Fellow in Chemistry, 1894-95. A.B., Bryn Mawr College, 1893, group, Physics and Chemistry. Assistant in Chemical Laboratory and Graduate Student, Bryn Mawr College, 1893-94; Student, University of Heidelberg, 1895-96; and University of Berlin, 1896-97; President, Washington Branch of the Association of Collegiate Alumnae, 1909-10; Volunteer Social Worker, 1900-16.
- Married, 1899, *Mr. Frederick Leslie Ransome*. One son, three daughters.
- ROE, ADAH BLANCHE, See page 30.
 Fellow in German, 1912-13.
- ROLFE, MARTHA DEETE, 601 John Street, Champaign, Ill.
 Fellow in Geology, 1914-15. B.S., University of Illinois, 1900, and A.M., 1904. Instructor in Science in Illinois Woman's College, 1905-10, and Professor of Physiography, 1908-10; Graduate Student, University of Illinois, 1913-14, 1915-16.
- RUSK, FERN HELEN, 25 West Broadway, Columbia, Mo.
 Fellow in Archaeology, 1914-15. A.B., University of Missouri, 1913, and A.M., 1914; Graduate Student, University of Missouri, 1913-14, 1915-16.
- SALISBURY, LENA BELLE, R. R. 5, Oswego, N. Y.
 Fellow in Latin, 1913-14. A.B., Syracuse University, 1910, and A.M., 1913. Teacher, Chittenango, N. Y., 1910-11; Weedsport, N. Y., 1911-12; Goodyear-Burlingame School, Syracuse, N. Y., 1912-13; Teacher of Latin and Greek in Drew Seminary for Young Women, Mt. Carmel, N. Y., 1914-16.
- SALMON, LUCY MAYNARD, Poughkeepsie, N. Y.
 Fellow in History, 1886-87. A.B., University of Michigan, 1876, and A.M., 1883. Teacher of History in the Indiana State Normal School, 1883-86; Associate Professor of History, Vassar College, 1887-89, and Professor of History, 1889-1916.
- SANDISON, HELEN ESTABROOK, See page 30.
 Fellow in English, 1908-09.
- SATTERTHWAITE, SARAH E., 2037 Franklin Avenue, Toledo, O.
 Fellow in Greek, 1886-87. A.B., University of Michigan, 1886. Assistant in Greek and Latin, Hope College, Holland, Mich., 1887-88; Private Tutor in Greek and Latin, 1898-1900.
- Married, 1890, *Dr. Francis Alexander Leslie*. One son.
- SCHAEFFER, HELEN ELIZABETH, See page 30.
 Fellow in Physics, 1904-05.
- SCHENCK, EUNICE MORGAN, See page 31.
 Fellow in Romance Languages, 1912-13.
- DE SCHWEINITZ, AGNES JULIA,
 11 Cummings Apartments, First and D Streets, Salt Lake City, Utah.
 Fellow in Teutonic Philology, 1902-03. A.B., Bryn Mawr College, 1899, group, German and French, and A.M., 1900. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1899-1900; Teacher of German in the Portland School, Portland, Ore., 1900-01; University of Leipsic, 1901-02; Teacher of German in the Bryn Mawr School, Baltimore, Md., 1903-08.
- Married, 1908, *Mr. Edward Robins Zalinski*.
- SEWALL, HANNAH ROBIE, Forest Glen, Md.
 Fellow in History, 1888-89. A.B., University of Minnesota, 1884, and Ph.D., 1898; A.M., University of Michigan, 1887. Fellow by Courtesy in History, Bryn Mawr College, 1889-90; Assistant in Political Science, University of Minnesota, 1893-1901; Assistant, Boston Children's Aid Society, 1904-07.
- SHAPIRO, REBECCA, Marshfield, Wis.
 Fellow in Romance Languages, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1900. Graduate Student, University of Wisconsin, 1899-1900; Assistant Principal of the High School, Grand Rapids, Wis., 1902-03.
- Married, 1904, *Mr. Richard Strauss*.
- SHEARER, EDNA ASTON, See page 31.
 Junior Fellow in Philosophy, 1904-05; Fellow in Philosophy, 1906-07.

SHEAVYN, PHOEBE A.B.,

Ashburne Hall, Fallowfield, Manchester, England.

Fellow in English, 1895-96. Scholar, University College of Wales, Aberystwyth, Wales, 1887-89, and 1892-94; B.A., University of London, 1889; M.A., 1894, and D.Litt., 1906. Member of Governing Court of University of Wales; Member of Senate of University of Manchester; Reader in English, Bryn Mawr College, 1894-95; Lecturer and Tutor in English Literature to the Association for Promoting the Education of Women in Oxford, England, 1896-1905; Resident Tutor and Lecturer in English, Somerville College, University of Oxford, England, 1897-1905; Member of Governing Committee of Women's University Settlement, Southwark, London, 1900-07; Senior Tutor for Women Students, University of Manchester, Warden of Women's Hall of Residence and Lecturer in English Literature, 1907-16.

SHOEMAKER, JANE CUSHING, Died, 1910.

Fellow in Economics and Politics, 1909-10. A.B., Bryn Mawr College, 1905, group. History and Economics and Politics, and A.M., 1910. Graduate Student, Bryn Mawr College, 1907-08.

SHUTE, HELEN WINIFRED, 331 Hammond Street, Bangor, Me.

Fellow in Teutonic Philology, 1893-94. A.B., Smith College, 1887. Assistant in German, Smith College, 1887-93; Fellow by Courtesy in Teutonic Philology, Bryn Mawr College, 1894-95; Student in Teutonic Philology, University of Göttingen, 1895-99; Alumnae Trustee of Smith College, 1902-05.

Married, 1900, *Professor Warren J. Moulton*.

SINCLAIR, ALICE, Wailuku, Maui, H. I.

Fellow in Teutonic Philology, 1903-04. Ph.B., Oberlin College, 1889. Teacher of German and Science in the Kent Place School, Summit, N. J., 1900-02; Student, University of Marburg, 1902-03; Teacher of German and English, Brockport State Normal School, Brockport, N. Y., 1904-05, and of French and German, 1905-06.

Married, 1906, *The Rev. Rowland Backus Dodge*. Two daughters, two sons.

SMITH, AMELIA CATHERINE, 4515 Regent Street, Philadelphia.

Fellow in Biology, 1900-01. S.B., University of Pennsylvania, 1899. Graduate Scholar in Biology, Bryn Mawr College, 1899-1900; Demonstrator in Zoology, University of Pennsylvania, 1901-02; Graduate Student, University of Pennsylvania, 1904-06.

Married, 1901, *Mr. Philip Powell Calvert*.

SMITH-GOARD, EUNICE CLARA, 625 East Avenue, Pawtucket, R. I.

Fellow in English, 1909-10. A.B., Brown University, 1907, and A.M., 1909. Graduate Student, Bryn Mawr College, 1910-11; Teacher of French in Wilkes Barre Institute, Wilkes Barre, Pa., 1911-15; Student of Music, 1911-16; Instructor in French, Wellesley College, 1915-16.

SMITH, EVA MARIA, The Ladies' College, Cheltenham, England.

Fellow in Mathematics, 1908-09. Newnham College, University of Cambridge, 1904-08, Graduate in Honours, First Class, Cambridge Mathematical Tripos, Part I, 1907, and Part II, 1908; Lecturer in Mathematics at the Ladies' College, Cheltenham, 1910-13.

SMITH, LOUISE PETTIBONE, Linterhouse, Winchester, Conn.

Fellow in Semitic Languages, 1912-13, 1914-15. A.B., Bryn Mawr College, 1908. Instructor in Hardin College, Mexico, Mo., 1908-11. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1911-12; Thayer Fellow and Student, American School of Oriental Studies in Jerusalem, 1913-14; Instructor in Biblical History, Wellesley College, 1915-16.

SMITH, MINNA STEELE, Newnham College, Cambridge, England.

Fellow in Teutonic Philology, 1894-96. Newnham College, University of Cambridge, 1890-94; Mediæval and Modern Languages Tripos, First Class, 1893. Assistant Lecturer in English, Newnham College, 1896-98; Staff Lecturer in Mediæval and Modern Languages, Newnham College, 1898-1913, and Director of Studies in Mediæval and Modern Languages, 1905-13; Lecturer in English, Girton College, University of Cambridge, 1898-1903, and 1906-16.

SOUTHWORTH, EFFIE A., Loma Linda, Cal.

Fellow in Biology, 1885-86. S.B., University of Michigan, 1885. Student Assistant in the Biological Laboratory, Bryn Mawr College, 1886-87; Assistant Mycologist of the United States Agricultural Bureau, Washington, D. C., 1887-92; Assistant in Botany, Barnard College, 1892-95; Working for the Carnegie Institution, Washington, 1910-11.

Married, 1896, *Mr. Volney Morgan Spalding*.

- SPALDING, MARY CAROLINE**,.....Wilson College, Chambersburg, Pa.
Fellow in English, 1910-11. A.B., Vassar College, 1901; Ph.D., Bryn Mawr College, 1912, subjects, English Philology, English Literature and French Philology. Graduate Student, Bryn Mawr College, 1906-08, and Graduate Scholar, 1908-10; Fellow by Courtesy, and Graduate Scholar, 1911-12; Teacher in the Misses Shipley's School, Bryn Mawr, 1901-10, and Assistant to the Misses Shipley and Tutor, 1912-13; Head of Department of English, Fairmont Seminary, Washington, D. C., 1913-14; Professor of English, Wilson College, 1914-16.
- SPENCER, FANNIE GRACE CLARA**, 1811 S. Third Street, Terre Haute, Ind.
Research Fellow in Chemistry, 1909-10. B.S., University of Illinois, 1908, and A.M., 1909. Teacher of Science and Bookkeeping in the East Chicago High School, 1910-11.
- SPRAY, RUTH GLADYS**,....616 Quincy Street, N. W., Washington, D. C.
Fellow in Biology, 1912-13. A.B., Kansas State University, 1911. Graduate Scholar in Biology, Bryn Mawr College, 1911-12.
Married, 1915, *Mr. Edward Lawrence Griffin*.
- STEVENS, NETTIE MARIA**,.....See page 31.
Fellow in Biology, 1902-03.
- STEWART, ANNE AMELIA**,.....28 South Street, Halifax, N. S.
Fellow in Mathematics, 1886-87. University College, London, 1880-82; B.Sc., Dalhousie College, 1886. Teacher of Mathematics in Miss Mary E. Stevens's School, Germantown, Philadelphia, 1888-93, 1895-96; Student in Mathematics and Physics, Newnham College, University of Cambridge, England, 1893-95; Teacher of Mathematics in the Stevens' School, Germantown, 1896-99; Private Tutor, 1900-03, 1908-09; Teacher of Mathematics, St. Margaret's College, Toronto, Canada, 1903-04; Teacher of Mathematics, Miss Knox's School, Briarcliff Manor, N. Y., 1905-06.
- STOCKING, RUTH JENNINGS**,.....Wickliffe, Lake County, O.
Fellow in Biology, 1911-12. A.B., Goucher College, 1910; Ph.D., Johns Hopkins University, 1910. Graduate Student, Johns Hopkins University, 1910-11, 1913-15, and Fellow in Zoology, 1912-13; Alice Freeman Palmer Research Fellow of Wellesley College, 1912-14; Professor of Biology, Agnes Scott College, Decatur, Ga., 1915-16.
- STREET, JENNETTE ATWATER**,....47 Lakeview Avenue, Cambridge, Mass.
Fellow in Latin, 1895-96. A.B., University of Toronto, 1895. Teacher of Classics, St. Margaret's College, Toronto, Canada, 1897-1901; Suffrage Worker, 1912-16.
Married, 1901, *Professor Edward C. Jeffrey*. One son.
- SUMNER, LOUISE MAUDSLEY**,.....1920 Selby Avenue, St. Paul, Minn.
Fellow in History, 1913-14. A.B., University of Minnesota, 1912, and A.M., 1913. Teacher of History in the Columbus School for Girls, Columbus, O., 1914-16.
- SWEET, MARGUERITE**,.....602 West 190th Street, New York City.
Fellow in English, 1891-92. A.B., Vassar College, 1887; Ph.D., Bryn Mawr College, 1892, subjects, English and Teutonic Philology. Graduate Student in Teutonic Philology and English, Bryn Mawr College, 1889-90. Graduate Scholar in Teutonic Philology, 1890-91; Instructor in English, Vassar College, 1892-97; Professor of English Literature, Mt. Holyoke College, 1897-99; Teacher of English in the Misses Ely's School, New York City, 1899-1905; Principal of the Hawthorne School, New York City, 1906-13; Head of the English Department in the Veltin School, New York City, 1914-15.
- SWINDLER, MARY HAMILTON**,.....See page 31.
Fellow in Greek, 1907-09.
- TAYLOR, LILY ROSS**,.....Vassar College, Poughkeepsie, N. Y.
Fellow in Latin, 1907-08. A.B., University of Wisconsin, 1906. Ph.D., Bryn Mawr College, 1912, subjects Latin and Classical Archaeology. Student, University of Bonn and American School of Classical Studies, Rome, 1909-10; Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Student in Greek and Latin, and Reader in Latin, 1908-09; Reader and Demonstrator in Archaeology, 1910-12; Instructor in Latin, Vassar College, 1912-16.
- THOMPSON, CHARLOTTE DE MACKLOT**,.....The Terraces, Camden, S. C.
Fellow in Romance Languages, 1896-97. A.B., Bryn Mawr College, 1896, group, Greek and French, and A.M., 1897.
- THOMPSON, FRANCES D'ARCY**,
Jumna Bridge, Hamirpur, United Provinces, India.
Fellow in Greek, 1911-12. Girton College, University of Cambridge, England, 1903-06; Graduate in Honours, First Class, Classical Tripos, Part I, 1906. M.A., Royal Uni-

versity of Ireland, 1907; Examiner in Latin, Royal University of Ireland, 1907-08; Classical Mistress in the High School, Portsmouth, England, 1906-08; Classical Teacher, Rosemary Hall, Greenwich, Conn., 1908-10; Reader in Latin, and Graduate Student, Bryn Mawr College, 1910-11.

Married, 1912, *Mr. Robert J. Hallidy.*

TIBBALS, KATE WATKINS,.....Sandy Hook, Conn.

Fellow in English, 1901-02. A.B., Wellesley College, 1899; Ph.D., University of Pennsylvania, 1904. Graduate Scholar in English, Bryn Mawr College, 1900-01; Fellow in English, University of Pennsylvania, 1902-03, and University Fellow, 1903-04; Instructor in English Literature, Wellesley College, 1904-05; Instructor in English, Vassar College, 1905-09; Associate Professor of English, Wells College, 1909-12.

TORELLE, ELLEN,.....438 West Washington Avenue, Madison, Wis.

Fellow in Biology, 1903-04. Ph.B., University of Minnesota, 1901, and A.M., 1902. Graduate Scholar, Bryn Mawr College, 1902-03; Dean of Milwaukee-Downer College and Professor of Biology, 1905-08; Scholar of the Naples Table Association for Promoting Scientific Research by Women, 1909; Research Worker in Biology, 1912-13; Lecturer and Writer, 1914-15; Lecturer, Extension Division, University of Wisconsin, 1913-16.

Married, 1912, *Mr. Lewis Bernard Nagler.* One son.

TOWLE, ELIZABETH WILLIAMS,...The Baldwin School, Bryn Mawr, Pa.

Fellow in Biology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Chemistry and Biology, and A.M., 1899. Graduate Scholar in Physics and Biology, Bryn Mawr College, 1898-99; Teacher of Science in the High School, Middletown, Conn., 1900-01; Instructor in Biology, Rockford College, Rockford, Ill., 1901-03; Fellow in Physiology, University of Chicago, 1903-04; Graduate Student, Columbia University, 1904-06; Teacher of Physiology in Miss Jacobi's School, New York City, 1904-05; Teacher of Science in the Baldwin School, Bryn Mawr, 1907-16.

TRAVER, HOPE,.....See page 32.

Fellow in English, 1903-04.

TREVETT, LILY FRANCES,.....1715 Park Avenue, Richmond, Va.

Fellow in History, 1914-15. A.B., Richmond College, 1909; A.M., Johns Hopkins University, 1913. Teacher of Mathematics, High School, Barton Heights, Va., 1909-11; Graduate Student, Johns Hopkins University, 1911-13; Teacher of History and Mathematics, Lee-Maury High School, Bowling Green, Va., 1913-14; Professor of History, Woman's College, Richmond, Va., 1915-16.

URDAHL, MARGERETHE,.....Charleston, Ill.

Fellow in Teutonic Philology, 1900-02, and Special Fellow in Teutonic Philology, 1902-03. L.B., University of Wisconsin, 1896, and Ph.D., Bryn Mawr College, 1904, subjects, Teutonic Philology, German Literature and Sanscrit. Student, University of Berlin, 1898 and 1899; University of Heidelberg, Summer Term, 1899; University of Christiania, October, 1899; Teacher of German and Latin in the Cheltenham Hills School, Wyncote, Pa., 1903-04; Teacher of German and History, Eastern Illinois State Normal School, Charleston, Ill., 1905-06.

Married, 1906, *Mr. Lewis Albert Anderson.*

VAN DEMAN, ESTHER BOISE, 2514 Thirteenth Street, Washington, D. C.

Fellow in Latin, 1892-93. A.B., University of Michigan, 1891, and A.M., 1892; Ph.D., University of Chicago, 1898. Instructor in Latin, Wellesley College, 1893-95; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., 1895-96; Fellow in Latin, University of Chicago, 1896-98; Acting Professor of Latin, Mt. Holyoke College, 1898-99, and Associate Professor of Latin, 1899-1901; American School of Classical Studies, Rome, 1901-03; Associate Professor of Latin, the Woman's College, Baltimore, 1903-06; Fellow in Classical Archaeology of the Carnegie Institution, Rome, 1906-09, and Research Associate of the Carnegie Institution of Washington, 1910-13.

WADDELL, MARY EVELYN GERTRUDE,

655 Spadina Avenue, Toronto, Canada.

Fellow in Mathematics, 1904-05. A.B., University of Toronto, 1903, and A.M., 1904. Graduate Scholar in Mathematics and Physics, Bryn Mawr College, 1903-04; Instructor in Mathematics in St. Margaret's College, Toronto, 1906-12, and Graduate Student, University of Toronto, 1906-11; Private Tutor in Mathematics, 1912-16.

WALKER, ANNA MARTHA, 1136 South Alvarado Street, Los Angeles, Cal.

Fellow in Latin, 1905-06. A.B., Bryn Mawr College, 1895, group, Greek and Latin; A.M., Leland Stanford, Jr., University, 1901. Teacher of English in the National Institute for Girls, Guatemala City, Central America, 1896-97; Graduate Student, Leland Stanford, Jr., University, 1897-98, 1900-01; Graduate Student, Bryn Mawr College, Second Semester, 1898-99; Teacher in the Misses Wyllie's School, Mt. Holly, N. J.,

1899-1900; Teacher of Latin and French in the High School, Ogden, Utah, 1901-02, and Teacher of Latin and Spanish, 1902-04; Student, American School of Classical Studies, Rome, 1904-05; Teacher of Greek in the High School, Los Angeles, Cal., 1906-13.

WARREN, WINIFRED, See page 32.
Fellow in Latin, 1893-94.

WEEKS, EULA ADELINE, Rich Hill, Mo.
Fellow in Mathematics, 1909-10. A.B. and B.S., University of Missouri, 1908, and A.M., 1909. Teacher in the High School, Rich Hill, Mo., 1901-05; Teacher of Mathematics in the Misses Shipley's School, and Graduate Student in Mathematics, Bryn Mawr College, 1910-12; Instructor in Mathematics, Mt. Holyoke College, 1912-13; Assistant in Mathematics, University of Missouri, 1913-14, and Fellow in Mathematics, 1914; Teacher of Mathematics in the Grover Cleveland High School, St. Louis, Mo., 1915-16.

WERGELAND, AGNES MATHILDE, Died, 1914.
Fellow in History, 1890-91. Studied under the Direction of Prof. Konrad Maurer, Munich, 1884-86; University of Zürich, 1888-90; Ph.D., University of Zürich, 1890. Reader in History of Art, Bryn Mawr College, 1891-93; Docent in History, University of Chicago, 1896-1902, and Non-Resident Reader in History, University Extension Division, 1903-05, and Non-Resident Instructor, 1906-09; Professor of History and French, University of Wyoming, 1902-09, and of History and Spanish, 1909-14.

WHITE, FLORENCE DONNELL, Vassar College, Poughkeepsie, N. Y.
Fellow in French, 1907-08. A.B., Mt. Holyoke College, 1903, and A.M., 1907; Ph.D., Bryn Mawr College, 1915, subjects, French Literature, Old French Philology, and Spanish. Student, University of Paris, 1903-04; Graduate Scholar in Romance Languages, Bryn Mawr College, 1906-07; Instructor in French, Vassar College, 1908-15, and Assistant Professor, 1915-16.

WILKINSON, ANNIE LYNDSEY,
7125 Greene Street, Germantown, Philadelphia.
Fellow in Mathematics, 1899-1900. A.B., Vassar College, 1897, and A.M., 1898. Graduate Scholar, Vassar College, 1897-98. Babbott Fellow of Vassar College, and Graduate Scholar in German and Mathematics, Bryn Mawr College, 1898-99; Instructor in Mathematics, Vassar College, 1900-02; Suffrage Worker, 1913-16.

Married, 1902, *Dr. Joseph Head*. Two daughters, two sons.

WILLCOX, MARGUERITE, See page 24.
Fellow in Chemistry, 1914-15.

WILLIAMS, ELLA CORNELIA, 609 West 127th Street, New York City.
Fellow in Mathematics, 1885-86. A.M., University of Michigan, 1880. Studied under Professor Schwarz, Göttingen, Germany, 1883-85; Newnham College, University of Cambridge, England, Spring Term, 1884; Teacher of Mathematics in Miss Moses's School, New York City, 1886-87; Teacher of Mathematics in the State Normal School, Plymouth, N. H., 1887-89; Teacher of Mathematics in Miss Spence's School, New York City, 1892-1915.

WILLIS, GWENDOLEN BROWN, 329 Dolphin Street, Baltimore, Md.
Fellow in Greek, 1902-04. A.B., University of Chicago, 1896, Ph.D., Bryn Mawr College, 1906, subjects, Greek and Archæology. Graduate Student, University of Chicago, 1900-01; American School of Classical Studies, Athens, 1901-02; Professor of Greek, Milwaukee-Downer College, and Teacher of Latin in Milwaukee-Downer Seminary, 1904-13; Student in Columbia University, on leave of absence, 1910-11; Teacher of Greek and Latin in the Bryn Mawr School, Baltimore, Md., 1914-16.

WINSTON, MARY FRANCES, 1620 Massachusetts Street, Lawrence, Kan.
Fellow in Mathematics, 1891-92. A.B., University of Wisconsin, 1889; Ph.D., University of Göttingen, 1897; Teacher of Mathematics, Downer College, 1889-91; Honorary Fellow in Mathematics, University of Chicago, 1892-93; Holder of the European Fellowship of the Association of Collegiate Alumnae, 1895-96; Student in Mathematics, University of Göttingen, 1893-96; Professor of Mathematics, Kansas State Agricultural College, 1897-1900; Assistant Professor of Mathematics, Washburn College, Topeka, Kans., 1913-16.

Married, 1900, *Mr. Henry Byron Newson* († 1910). Two daughters, one son.

WOOD, IDA,
Care of Colonel John P. Wood, 521 North 22nd Street, Philadelphia.
Fellow in English, 1888-89. A.B., Vassar College, 1877, and A.M., 1889; Ph.D., Bryn Mawr College, 1891. Graduate Student in English, Bryn Mawr College, 1887-88, 1889-90, and Fellow by Courtesy in English, 1890-91; Secretary of the Woman's Department, University of Pennsylvania, 1892-93; Secretary of the Bryn Mawr School, Baltimore, Md., 1894-96.

SUMMARY OF FELLOWSHIPS AWARDED.

EUROPEAN FELLOWSHIPS.	Founded.	Number of Holders.
Bryn Mawr European.....	By the Trustees in 1885.....	27
Mary E. Garrett European.....	By Miss Garrett in 1904.....	21
President M. Carey Thomas		
European.....	By Miss Garrett in 1896.....	20
Anna Ottendorfer Memorial Research Fellowship in Teutonic Philology.....	By Mrs. Anna Woerishoffer in 1907.....	6
Bryn Mawr Research, given by anonymous donor in 1906.....		1
Special European, given by anonymous donor in 1909.....		1

Total number of European Fellows, omitting duplicates.....67

RESIDENT FELLOWSHIPS.	Founded by the Trustees in	Number of Holders.
In Greek.....	1885.....	26**§§
In Latin.....	1892.....	23
In English.....	1885.....	27*§
In Teutonic Philology.....	1893.....	15††
In Romance Languages.....	1893.....	18§
In Semitic Languages.....	1912.....	1§
In History or Economics and Politics.....	1885.....	29§
In Economics and Politics.....	1912.....	4§
In Philosophy or Psychology.....	1896.....	12§§
In Archæology.....	1909.....	4§
In Mathematics.....	1885.....	24§§
In Physics.....	1896.....	14
In Chemistry.....	1893.....	18††
In Geology.....	1912.....	3
In Biology.....	1885.....	23§§
Research Fellowship in Chemistry.....	1907.....	3†
Helen Schaeffer Huff Research Fellowship in Physics or Chemistry, founded by an anonymous donor in 1913.....		3¶

Total number of Resident Fellows, omitting duplicates.... 231

Total holders of Fellowship, omitting duplicates..... 261†

* Two students have held Fellowships in English who also held Fellowships in other subjects.

† Two of these students previously held a Fellowship in Chemistry.

‡ Of these thirty-five have held both European and Resident Fellowships.

§ One student held this Fellowship for two years.

** One of these students previously held a Fellowship in Latin and one a Fellowship in English.

†† Two students held this Fellowship for two years.

§§ Four students held this Fellowship for two years.

¶ One of these students previously held a Fellowship in Chemistry.

BRYN MAWR COLLEGE.

GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, five miles from Philadelphia, was endowed by Dr. Joseph W. Taylor of Burlington, New Jersey, who purposed founding an institution of learning for the advanced education of women which should afford them "all the advantages of a college education that are so freely offered to young men." In the spring of 1885 the first program was issued, and the college opened for instruction in the following autumn.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately. No undergraduates are admitted to graduate courses.

Regulations of the Graduate Department.

From the first it has been the policy of the Trustees of Bryn Mawr College to organise no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years provides preparation in the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one or two years and offered as one of the two minor or secondary subjects.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing.* They may pursue any

*The certificates of the women's colleges of the English Universities of Oxford and Cambridge, are regarded as equivalent to a first degree,—i. e., to the degree of Bachelor of Arts.

courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses. They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs will be considered in the arrangement of new courses of lectures; they must consult the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiencies in this respect.

Fellowships and Scholarships.

The most distinguished place among the graduate students is held by the Fellows, who must reside in the college during the academic year. Sixteen resident fellowships, of the value of five hundred and twenty-five dollars each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Archæology, Mathematics, Physics, Chemistry, Geology, and Biology, the Justus C. Strawbridge Fellowship in Economics and Politics, and the Carola Woerishoffer Fellowship in Social Economy and Research. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honor, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success.

The holder of a fellowship is expected to devote at least one

half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in some other manner, that her studies have not been without result.

The Helen Schaeffer Huff Memorial Research Fellowship of the value of seven hundred and fifty dollars, founded in 1913, is awarded annually to a student pursuing advanced graduate work in either Physics or Chemistry, to be held during one year's work at Bryn Mawr College.

Applicants for the fellowship must be students who have done advanced graduate work at Bryn Mawr College or at other colleges or universities. They must have shown distinct ability in their work and at the time of application must have in outline or actually in hand some definite piece of research work. The holder of the fellowship must do her major work under the direction of the Department of Chemistry or of the Department of Physics. In awarding the fellowship the ability of the applicant to do the best kind of research work will be considered. Where equally good candidates are considered, preference will be given to a student working on problems which may be considered to lie along the borderline between Chemistry and Physics. The fellowship may under exceptional circumstances be awarded in consecutive years to the same student, or the fellowship may be given to a graduate student working at Bryn Mawr College to be held during one year's work at some other American college or university if in the opinion of the Committee it is imperative for that student to go to some other college or university in order to complete an important piece of work.

All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of departmental libraries in the seminaries and in the halls of residence, but no

such service may be required of them except by a written request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other duties in addition to their college work. Fellows* are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary fee.

Twenty Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars* are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations.

A resident College Settlements Association joint fellowship† was established in 1915 and has been offered for 1915-16 and 1916-17 by the College Settlements Association together with independent alumnae of Bryn Mawr College to a Bryn Mawr College graduate who wishes to prepare herself for settlement work. The value of the fellowship is \$525, \$125 of which is given by the College to meet the tuition fee. The holder of the fellowship is required to live in the College Settlement in Philadelphia and to give her entire time to the work of the Department of Social Economy, the practicum, carried on in the Settlement, occupying one-third of her time. Applications may be sent either to Miss Helen F. Greene, 80 Pinkney Street, Boston, Mass., or to the President of Bryn Mawr College.

The Susan B. Anthony Memorial Scholarship in Social Economy and Social Research or in Politics, founded in 1910, of the value of four hundred dollars, is open to the candidate wishing to devote herself to studies dealing with the position of women in industry and politics, whose work gives most promise of success in this field.

Ten graduate scholarships of the value of four hundred and

* It is expected that fellows and scholars of the college will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

† The term fellowship is used here because adopted by the College Settlement Association. The condition of one year's graduate study required of candidates for Bryn Mawr College resident fellowships does not apply.

five dollars each were founded in 1909, and two additional scholarships were founded in 1913, and will be awarded in 1916, four for English, Scotch, or Irish women, three for German women, three for French women, one for Scandinavian, and one for Swiss women. They are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, room-rent, including light, heat, and service, and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence.*

Application for resident fellowships or scholarships should be made as early as possible to the President of the College, and must be made not later than the fifteenth† of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of seven hundred dollars applicable to the expenses of one year's study and residence at some German university is awarded annually to a

* For the rates see page 66.

† In the case of candidates for the Scholarships open to British and French, Swiss and Scandinavian women applications must be received by May the first. Applications for the scholarships should be accompanied by full particulars of the candidate's academic work by diplomas or certificates and by letters of recommendation from professors and should be addressed in the case of German candidates to Seiner Excellenz dem Herrn Staatssekretär des Innern, Reichsamt des Innern, Berlin, Germany, before April the first, and in the case of other candidates to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A.

graduate student who has completed at least one year of graduate study at Bryn Mawr College. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German.

Two European fellowships, founded by the late Miss Mary E. Garrett, of Baltimore, are open to graduate students who are enrolled as candidates for the degree of Doctor of Philosophy. One, founded in 1896, and named by the donor the President M. Carey Thomas Fellowship, is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College; the other, founded in 1894, and known as the Mary E. Garrett Fellowship, is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. These fellowships, of the value of five hundred dollars each, are intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges, who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have worked as a graduate student at Bryn Mawr College for a full year* during which at least two-thirds of her time must have been devoted to advanced work in closely related lines according to a course of study approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee before the third week of October. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy for the degree to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

REQUIREMENTS.

1. *Time.*—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence.*—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

* It is understood that the work done for the degree of Master of Arts does not necessarily count as a full year towards the degree of Doctor of Philosophy and Master of Arts.

3. *Subjects*.—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorised in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses*.—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university, the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognised by the Graduate Committee as seminars;* in the independent minor she shall take for one year two seminars, or graduate courses recognised as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminars and one journal club for at least two years must be taken before the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation*.—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita), of which two must be bound in a specified manner, must then be supplied

* A course will not be regarded as equivalent to a seminary unless it requires about sixteen hours a week of the student's time.

to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations.*—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

Registration.—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit* to the Graduate Committee in writing an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

Expenses.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.† This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee

* Using the application blank issued by the Graduate Committee.

† The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on page 64 are charged in addition to the charge for tuition.

will be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in geology each hour of field work counts as one hour of laboratory work.

Graduate students taking courses in the department of Social Economy and Social Research are charged a laboratory fee of \$5 a semester and are also required to provide themselves with a 100 trip ticket between Bryn Mawr and Philadelphia costing \$15.45. Any extra expenses for train fares or car fares or other charges in connection with the work required by the department will be defrayed by the department.

Residence.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred and twenty-five dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly

in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden.

Application for rooms should be made as early as possible. The demand for graduate rooms is very great, and since every room unnecessarily reserved may prevent some other student from entering the college, a deposit of fifteen dollars is required in order that the application may be registered. In case the applicant enters the college in the year for which the room is reserved, the amount of the deposit is deducted from the first college bill. If she changes the date of her application or files formal notice of withdrawal at the secretary's office before July fifteenth of the year for which the application is made, the deposit will be refunded. If, for any reason whatever, the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College. Students making application for a room for the second semester forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved. In order to make application for a room it is necessary to sign a room-contract, which will be sent on application, and return it with the fee of fifteen dollars to the Secretary of the College. A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if formal notice of withdrawal is not filed at the secretary's office on or before May first of the current year.

Every applicant giving up later than the first of September the

room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room for the second semester is responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal for any cause whatever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

Any student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam. The air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week.

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$1.20 a day or \$8.40 a week. At Christmas the college halls are closed, but accommodation is provided on or near the college campus. At Easter graduate students may occupy their own rooms in the halls of residence at the above rate. Graduate students remaining during the vacations in the neighborhood of Bryn Mawr are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation unless they inform the Secretary of the College in advance of their intention to spend the vacation elsewhere, and register their addresses in the college office.

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, the Senior Warden, and the physicians of the college.

The Assistant Physician of the College is in her office in the college during the hours from four to five-thirty of every afternoon, except Sunday, and may be consulted by the students without charge.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or

the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organised in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The college reserves the right to exclude at any time and to cancel the fellowships or scholarships held by students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

In 1893 the Bryn Mawr Graduate Association was organized by the graduate students then in residence, its object being to further the social life of the graduate students and to facilitate interchange of opinion with other colleges and universities doing graduate work. A room in Denbigh Hall is set apart by the college to be used by the members as a club-room. Informal meetings are frequently held in this room, and several times during the year the Association invites the Faculty and friends of the college to larger social gatherings, which are addressed by well-known speakers.

Summary of Expenses of Graduate Students.

Tuition for the semester, payable on registration:

For one hour* a week of lectures.....	\$ 10.00
For two hours a week of lectures.....	\$ 20.00
For three hours a week of lectures.....	\$ 30.00
For four or five hours a week of lectures.....	\$ 40.00
For six or more hours a week of lectures.....	\$ 62.50

Room-rent for the academic year, payable on registration.....	\$ 50.00
Board for the semester payable on registration.....	\$112.50

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures.....	\$125.00
Room-rent.....	\$ 50.00
Board.....	\$225.00
Infirmary fee.....	\$ 5.00

Total for tuition, residence, and infirmary care for the academic year..	\$405.00
Laboratory fees for the academic year.....	\$10 to \$36

Students whose fees are not paid before November first in the first semester and before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

* See footnote, page 63.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Mrs. Edward Wyatt Evans, 151 East Coulter Street, Germantown, Philadelphia; Miss Ethel Pew, Morris Avenue, Bryn Mawr, Pa., Miss Kathrine Leonard Howell, 3307 Hamilton Street, Philadelphia, and Mrs. Robert Darrah Jenks, 1704 Rittenhouse Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for any given year should be made before May 1st of the preceding academic year.

Libraries.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past thirty years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about seventy-five thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 77 and 100.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München.

Academy.

*Amherst Graduates' Quarterly.

Annales Politiques et Littéraires.

* Presented by the Publishers.

Athenæum.
 Atlantic Monthly.
 *Bibliothèque de la Faculté des Lettres
 de l'Université de Paris.
 Bookman.
 Bookman (English).
 *Book News Monthly.
 Bookseller.
 *Bryn Mawr Alumnæ Quarterly.
 Bulletin of Bibliography.
 *Bulletin of the New York Public Library.
 *Bulletin of the Pan-American Union.
 Century.
 *Columbia University Quarterly.
 Contemporary Review.
 Country Life in America.
 Cumulative Book Index.
 Deutsche Rundschau.
 Dial.
 Drama.
 Edinburgh Review.
 English Review.
 Fortnightly Review.
 Forum.
 Göttingische Gelehrte Anzeigen.
 Harper's Monthly Magazine.
 Harper's Weekly.
 Harvard Graduates' Magazine.
 L'Illustration.
 Independent.
 Jahresverzeichniss der an den deutschen
 Schulanstalten erschienenen Abhand-
 lungen.
 *Johns Hopkins University, Circulars.
 Library Journal.
 Literary Digest.
 Masses.
 McClure's Magazine.
 Memorial de la Librairie Française.
 Mercure de France.
 Mind and Body.
 *Monthly Bulletin of the Carnegie Library
 of Pittsburgh.
 Münchener allgemeine Zeitung.
 Nachrichten von der Königlichen Gesell-
 schaft der Wissenschaften, Göttingen.

Nation.
 Nation (English).
 Neue Rundschau.
 New Republic.
 New Statesman.
 New York Times Index.
 Nineteenth Century.
 North American Review.
 Notes and Queries.
 Nuova Antologia.
 Outlook.
 *Pennsylvania Library Notes.
 Preussische Jahrbücher.
 Public Affairs Information Service,
 Bulletin.
 Publishers' Weekly.
 Punch.
 Quarterly Review.
 Reader's Guide to Periodical Literature.
 Review of Reviews.
 Revue Critique d'Histoire et de Littér-
 ature.
 Revue de Paris.
 Revue des Deux Mondes.
 Revue Politique et Littéraire: Revue
 Bleue.
 Saturday Review.
 Scribner's Magazine.
 Sewanee Review.
 Sitzungsberichte der Königlichen Bayeri-
 schen Akademie der Wissenschaften.
 Sitzungsberichte der Königlichen Preussi-
 schen Akademie der Wissenschaften zu
 Berlin.
 Spectator.
 Der Türmer.
 *Tipyn o' Bob.
 *University of California, Publications.
 *University of Colorado, Studies.
 *University of Missouri, Studies.
 *University of Nebraska, Studies.
 *University of Nevada, Studies.
 *University of Texas, Studies.
 *University of Washington, Studies.
 Die Woche.
 World's Work.

Newspapers.

*Bryn Mawr News.
 New York Evening Post.
 New York Times.

*Boston Transcript.
 Philadelphia Public Ledger.
 London Times.

Art and Archæology.

American Journal of Archæology.
 Art and Archæology.
 Art in America.

British School at Athens, Annual.
 *Bulletin of the Metropolitan Museum of
 Art, New York.

*Presented by the Publishers.

Burlington Magazine.
Denkmäler der Malerei des Altertums.
Ephemeris Archaeologica.
Jahrbuch des Kaiserlich deutschen archäologischen Instituts.
Jahreshefte des österreichischen archäologischen Instituts in Wien.
Journal of Hellenic Studies.
Mittheilungen und Nachrichten des Deutschen Palästina Vereins.

Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Athenische Abteilung.
Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Römische Abteilung.
*Museum of Fine Arts Bulletin, Boston.
Notizie degli Scavi di Antichità.
Revue Archéologique.
Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
All Opinions of the U. S. Supreme Court.
*American Association for International Conciliation, Publications.
American City.
American Economic Review.
*American Economist.
American Federationist.
American Industries.
American Journal of International Law.
American Journal of Sociology.
American Labor Legislation Review.
American Political Science Review.
*The Americas.
Annalist.
Annals of the American Academy of Political and Social Science.
Bibliographie der Sozialwissenschaften.
*Blätter für zwischenstaatliche Organisation.
*Bulletin of the New York State Department of Labor.
*Bulletin of the University of Wisconsin, Economics and Political Science Series.
Charity Organization Review.
Child Labor Bulletin.
City Plan.
Columbia Law Review.
Columbia Studies in History, Economics and Public Law.
Cooperative Consumer.
Economic Journal.
Great Britain, Quarterly List of Official Publications.
Handbuch der öffentlichen Rechte.
Harvard Law Review.
*Institution Quarterly.
International Socialist Review.

Jahrbücher für Nationalökonomie und Statistik.
Johns Hopkins University Studies in Historical and Political Science.
Journal of Criminal Law.
Journal of Heredity.
Journal of Political Economy.
Journal of the Royal Statistical Society.
Labor Gazette.
Municipal Research.
National Municipal Review.
Playground.
Political Science Quarterly.
Proceedings of the Academy of Political Science.
Proceedings of the National Conference of Charities and Corrections.
Publications of the American Economic Association.
Publications of the American Statistical Association.
Quarterly Journal of Economics.
Revue Bibliographique.
*Single Tax Review.
Social Hygiene.
*Southern Workman.
Survey.
*U. S. Bureau of Labor Statistics, Bulletin.
*University of Illinois, Studies in Social Sciences.
*University of Missouri Studies, Social Science Series.
*University of Pennsylvania Publications, Series in Political Economy and Public Law.
Yale Review.
Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

Education.

†Berichte der Dalcroze Schule.
Education.
Educational Review.

Educational Times.
Elementary School Journal.
English Journal.

* Presented by the Publishers.

† Suspended publication.

Journal of Experimental Pedagogy.
 *Journal of the Association of Collegiate
 Alumnae.
 Lehrproben und Lehrgänge.
 Manual Training Magazine.
 National Education Association, Publica-
 tions.
 Pädagogische Studien.
 Pedagogical Seminary.
 †Revue Internationale de l'Enseignement
 Supérieur.

Revue Universitaire.
 School and Society.
 School Journal.
 School Review.
 School Science and Mathematics.
 *U. S. Bureau of Education, Bulletin.
 *University of California Publications,
 Education.
 Zeitschrift für Pädagogische Psychologie.
 Zeitschrift für Schulgesundheitspflege.

History.

American Historical Association, Reports.
 American Historical Review.
 *Bulletin of the University of Wisconsin,
 History Series.
 English Historical Review.
 Historical Manuscripts Commission, Re-
 ports.
 Historische Vierteljahrschrift.
 Historische Zeitschrift.
 *Illinois State Historical Society Journal.
 Jahresberichte der Geschichtswissenschaft.
 Klio, Beiträge zur alten Geschichte.

New York Times Current History of the
 European War.
 Pennsylvania Magazine of History.
 Révolution Française.
 Revue des Études Napoléoniennes.
 *Revue des Questions Historiques.
 Revue Historique.
 Royal Historical Society, Transactions.
 Selden Society, Publications.
 *University of Pennsylvania Publications,
 Series in History.

Philology and Literature, Classical.

†Bulletin Bibliographique et Pédagogique
 du Musée Belge.
 Classical Journal.
 Classical Philology.
 Classical Quarterly.
 Classical Review.
 Classical Weekly.
 Commentationes Philologae Jenenses.
 Dissertationes Philologicae Halenses.
 Harvard Studies in Classical Philology.
 Hermes.
 Jahresbericht über die Fortschritte der
 Klassischen Altertumswissenschaft.
 Journal of Roman Studies.
 †Le Musée Belge, Revue de Philologie
 Classique.

Mnemosyne.
 Philologische Untersuchungen.
 Philologus.
 Quellen und Forschungen zur lateinischen
 Philologie
 †Revue de Philologie.
 †Revue des Études Grecques.
 Rheinisches Museum für Philologie.
 Rivista di Filologia.
 Sokrates.
 Studi Italiani di Filologia Classica.
 †Studi Storici per l'Antichità Classica.
 Wiener Studien, Zeitschrift für klassische
 Philologie.
 Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
 Berliner philologische Wochenschrift.
 †Eranos.
 Indogermanische Forschungen.
 Journal of English and Germanic Philol-
 ogy.
 Journal of Philology.
 Neue Jahrbücher für das klassische Alter-
 tum, Geschichte und deutsche Literatur.

Philological Society, London, Publications.
 Transactions of the American Philological
 Association.
 Zeitschrift für die österreichischen Gym-
 nasien.
 †Zeitschrift für vergleichende Sprachfor-
 schung.

Philology and Literature, Modern.

- Acta Germanica.
 Anglia.
 Anglistische Forschungen.
 †Annales Romantiques.
 †Archiv für das Studium der neueren Sprachen.
 Archivio Glottologico Italiano.
 Arkiv for Nordisk Filologi.
 Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.
 Beiträge zur Geschichte der deutschen Sprache und Literatur.
 Bibliographical Society of London, Transactions.
 Bonner Studien zur englischen Philologie.
 British Society of Franciscan Studies.
 Bulletin de la Société des Anciens Textes Français.
 Bulletin hispanique.
 Chaucer Society Publications (both series).
 Deutsche Literaturzeitung.
 Deutsche Texte des Mittelalters.
 Dialect Notes.
 Early English Text Society Publications (both series).
 Englische Studien.
 Euphorion.
 Forschungen zur Neueren Literaturgeschichte.
 German American Annals.
 Germanisch-romanische Monatsschrift.
 Giornale Dantesco.
 Giornale Storico della Letteratura Italiana.
 Goethe Jahrbuch.
 Henry Bradshaw Society, Publications.
 Jahrbuch der deutschen Shakespeare Gesellschaft.
 Jahrbuch des Vereins für niederdeutsche Sprachforschung.
 Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.
 Kieler Studien zur englischen Philologie.
 Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.
 †Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
 The Library.
 Literarische Echo.
 Literarisches Centralblatt.
 Literaturblatt für germanische und romanische Philologie.
 †Le maître Phonétique.
 Malone Society, Publications.
 Materialien zur Kunde des älteren Englischen Dramas.
 Modern Language Notes.
 Modern Language Review.
 Modern Philology.
 Münchener Beiträge zur romanischen und englischen Philologie.
 Palaestra.
 Poet-lore.
 Praeger deutsche Studien.
 Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Culturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revue Celtique.
 Revue d'Histoire Littéraire de la France.
 †Revue Germanique.
 Revue Hispanique.
 Romania.
 Romanic Review.
 Romanische Forschungen.
 Schriften der Goethe Gesellschaft.
 Scottish Text Society, Publications.
 Société des Anciens Textes Français, Publications.
 Société des Textes Français Modernes, Publications.
 Studien zur englischen Philologie.
 University of North Carolina. Studies in Philology.
 Wiener Beiträge zur englischen Philologie.
 Yale, Studies in English.
 Zeitschrift für den deutschen Unterricht.
 Zeitschrift für deutsche Philologie.
 Zeitschrift für deutsches Altertum und deutsche Litteratur.
 Zeitschrift für deutsche Wortforschung.
 Zeitschrift für französische Sprache und Litteratur.
 †Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

- American Journal of Semitic Languages and Literatures.
 Babyloniaca.
 Jewish Quarterly Review.
 Proceedings of the Society of Biblical Archaeology.
 †Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.
 †Zeitschrift für ägyptische Sprache und Altertumskunde.
 Zeitschrift für Assyriologie.

Philosophy and Psychology.

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| <p>American Journal of Psychology.
 Année Psychologique.
 Archiv für die gesammte Psychologie
 Archiv für Geschichte der Philosophie.
 Archiv für systematische Philosophie.
 Archives de Psychologie.
 Archives of Psychology.
 Berichte über den Kongress für experimentelle Psychologie.
 British Journal of Psychology.
 British Journal of Psychology: Monograph Supplements.
 †Bulletin de l'Institut Psychologique.
 Fortschritte der Psychologie.
 Hibbert Journal.
 International Journal of Ethics.
 †Journal de Psychologie.
 Journal für Psychologie und Neurologie.
 Journal of Abnormal Psychology.
 Journal of Animal Behaviour.
 Journal of Educational Psychology.
 Journal of Philosophy, Psychology and Scientific Methods.
 Journal of Religious Psychology.
 Logos.
 Mind.</p> | <p>Monist.
 Philosophical Magazine.
 Philosophical Review.
 Proceedings of the Aristotelian Society.
 Psychological Bulletin.
 Psychological Clinic.
 Psychological Review.
 Psychological Review; Monograph Supplements.
 Psychological Review; Psychological Index.
 Psychologische Arbeiten.
 Psychologische Studien.
 †Revue de Métaphysique.
 †Revue de Psychothérapie.
 Revue Philosophique.
 *University of Toronto Studies, Psychology Series.
 Vierteljahrschrift für wissenschaftliche Philosophie u. Soziologie.
 Zeitschrift für angewandte Psychologie.
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt. Zeitschrift für Sinnesphysiologie.</p> |
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Religion.

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| <p>*Alaskan Churchman.
 American Friend.
 American Journal of Theology.
 Biblical World.
 *Deaconess Advocate.
 Expositor.
 Expository Times.
 Harvard Theological Review.
 †Herald of Gospel Liberty.
 †Indian's Friend.
 †Intercollegian.
 †Journal of Biblical Literature.</p> | <p>Journal of Theological Studies.
 Proceedings of the Society of Biblical Archaeology.
 *Publications of the American Jewish Historical Society.
 Religious Education.
 Revue Biblique.
 *Spirit of Missions.
 *Student World.
 *Woman's Missionary Friend.
 *World Outlook.</p> |
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Science, Biology.

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| <p>American Journal of Anatomy.
 American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiologie.
 Archiv für die gesammte Physiologie.
 Archiv für Entwicklungsmechanik der Organismen.
 Archiv für mikroskopische Anatomie.
 Bibliographia Physiologica.
 Biologisches Centralblatt.</p> | <p>Biometrika.
 Botanisches Centralblatt.
 Centralblatt für Physiologie.
 Eugenics Laboratory Memoirs.
 *Illinois Biological Monographs.
 Jahrbücher für wissenschaftliche Botanik.
 †Journal de Physiologie.
 Journal of Biological Chemistry.
 Journal of Experimental Medicine.
 Journal of Experimental Zoology.
 Journal of Genetics.</p> |
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* Presented by the Publishers.

† Suspended publication.

‡ In Christian Association Library.

Journal of Morphology.
 Journal of Physiology.
 Journal of the Royal Microscopical Society.
 *Midland Naturalist.
 Mittheilungen aus der Zoologischen Station zu Neapel.
 Quarterly Journal of Microscopical Science.
 *University of California Publications, Physiology.
 *University of California Publications, Zoology.

*University of Pennsylvania, Contributions from the Botanical Laboratories.
 *University of Pennsylvania, Contributions from the Zoological Laboratories.
 *University of Toronto Studies, Biological Series.
 University of Toronto Studies, Physiological Series.
 Zeitschrift für wissenschaftliche Zoologie.
 Zoologischer Anzeiger.

Science, General.

American Journal of Science.
 Atti della Reale Accademia della Scienze di Torino.
 *British Association for the Advancement of Science, Reports.
 *Bulletin of the University of Wisconsin, Science Series.
 Comptes Rendus des Séances de l'Académie des Sciences.
 Elisha Mitchell Scientific Society Journal.
 International Catalogue of Scientific Literature.
 Kansas University, Science Bulletin.
 Nature.
 *New York State Museum Bulletin.

Philosophical Transactions of the Royal Society of London.
 Proceedings of the American Philosophical Society.
 Proceedings of the Royal Society of London.
 Public Health Nurse Quarterly.
 Science.
 Scientific American and Supplement.
 Scientific Monthly.
 *Technology Review.
 *U. S. National Museum, Publications.
 *University of Missouri Studies, Science Series.

Science, Geology and Geography.

Centralblatt für Mineralogie.
 Economic Geology.
 Geographical Journal.
 Geological Magazine.
 Geologisches Centralblatt.
 *Georgia Geological Survey Bulletin.
 *Illinois Geological Survey Bulletin.
 Journal of Geography.
 Journal of Geology.
 Meteorologische Zeitschrift.
 Mineralogical Magazine.

Mineralogische und petrographische Mittheilungen.
 National Geographic Magazine.
 Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.
 Philadelphia Geographical Society Bulletin.
 Quarterly Journal of the Geological Society.
 Resources of Tennessee.
 *U. S. Monthly Weather Review.
 *University of Toronto Studies, Geological Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
 American Journal of Mathematics.
 Annalen der Chemie.
 Annalen der Physik.
 Annales de Chimie.
 Annales de Physique.
 Annales Scientifiques de l'Ecole Normale Supérieure.
 Annali di Matematica.

Astrophysical Journal.
 Beiblätter zu den Annalen der Physik.
 Berichte der deutschen chemischen Gesellschaft.
 Bibliotheca Mathematica.
 Bollettino di Bibliografia e Storia delle Scienze Matematiche.
 Bulletin de la Société Chimique de France.
 Bulletin de la Société Mathématique.

Bulletin des Sciences Mathématiques.	Mathematische Annalen.
Bulletin of the American Mathematical Society.	Messenger of Mathematics.
Cambridge Tracts in Mathematics.	Monatshefte für Chemie.
Chemisches Zentralblatt.	Physical Review.
Giornale di Matematiche.	Physikalische Zeitschrift.
Jahrbuch über die Fortschritte der Mathematik.	Proceedings of the London Mathematical Society.
Jahresbericht der deutschen Mathematiker Vereinigung.	Quarterly Journal of Mathematics.
Journal de Chimie physique.	Rendiconti del Circolo Matematico di Palermo.
Journal de Mathématiques.	Science Abstracts.
†Journal de Physique.	Transactions of the American Mathematical Society.
Journal für die reine und angewandte Mathematik.	*U. S. Bureau of Standards Bulletin.
Journal für praktische Chemie.	Zeitschrift für anorganische Chemie.
Journal of the London Chemical Society.	Zeitschrift für Elektrochemie.
Journal of Physical Chemistry.	Zeitschrift für Mathematik und Physik.
Kolloidzeitschrift.	Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Library Company of Philadelphia*, which contains about 245,000 volumes, divided between the Locust Street Building and the Ridgway Branch. Its valuable collection of pamphlets is included in the number of volumes as given above. The Library is open from nine A. M. to six P. M., and is open to students for consultation freely during these hours. To take books from the building a deposit must be made or subscriptions will be received as follows: Twelve dollars for one year, six dollars for six months, four dollars for three months.

The *Mercantile Library*, which contains about 210,869 volumes and 22,911 pamphlets. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 80,700 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 413,500 volumes and 50,000 pamphlets. The custodians

* Presented by the Publishers.

† Suspended publication.

of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 565,550 volumes and 229,607 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 65,500 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 139,000 volumes, and 295,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of a non-resident lecturer in Sanskrit.

GRADUATE COURSES.

The following graduate courses are offered in each year:

Lectures on Comparative Philology and Philological Seminary.

Two hours a week throughout the year.

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Indo-European group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course which covers what during the last few years has been the field of the most active research the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Second Year Sanskrit.

One or two hours a week throughout the year.

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology.

Advanced Sanskrit.

Two hours a week throughout the year.

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second semester the course is conducted as a seminary, with use of the native commentaries.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the College. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

GRADUATE COURSES.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminars and one journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. The post-major courses also are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archæology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see pages 127 to 128.

No undergraduates are admitted to graduate courses.

Dr. Sanders conducts in each year the following graduate seminary:

Greek Seminary.

Three hours a week throughout the year.

In 1915-16 Greek Orators are studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the

various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hyperides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1916-17 Greek Historians will be the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1917-18 Attic Tragedy will be the subject of the seminary. The work of the seminary in textual criticism is devoted to Æschylus. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

Dr. Wright conducts in each year the following graduate seminary:

Greek Seminary.

Two hours a week throughout the year.

In 1915-16 the Homeric Question is the subject of the seminary, and the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticised in detail.

In 1916-17 Aristophanes will be the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

In 1917-18 Plato will be the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* is criticised in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

Dr. Sanders and Dr. Wright together conduct the Greek journal club:

Greek Journal Club.

One and a half hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent articles and books on subjects connected with the Greek classics.

POST-MAJOR COURSES.

Dr. Sanders offers in 1915-16 the following post-major courses, open to graduate students:

Æschylus, <i>Oresteia</i> .	<i>Two hours a week during the first semester.</i>
Aristophanes, <i>Acharnians</i> , <i>Knights</i> .	<i>One hour a week during the first semester.</i>
Pindar.	<i>Two hours a week during the second semester.</i>
Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> .	<i>One hour a week during the second semester.</i>

Dr. Sanders offers in 1916-17 the following post-major courses, open to graduate students:

Minor Orations of the Attic Orators.	<i>Two hours a week during the first semester.</i>
Sophocles, <i>Antigone</i> or <i>Oedipus Tyrannus</i> .	<i>One hour a week during the first semester.</i>
Æschylus, <i>Agamemnon</i> or Thucydides.	<i>Two hours a week during the second semester.</i>
Greek Prose Composition.	<i>One hour a week during the second semester.</i>

Dr. Sanders offers in 1917-18 the following post-major courses, open to graduate students:

Sophocles, <i>Trachiniæ</i> and Euripides, <i>Heracles</i> .	<i>Two hours a week during the first semester.</i>
Herodotus.	<i>One hour a week during the first semester.</i>
Greek Prose Composition.	<i>One hour a week during the second semester.</i>
Bacchylides.	<i>One hour a week during the second semester.</i>
Euripides, <i>Bacchæ</i> .	<i>One hour a week during the second semester.</i>

Dr. Wright offers in 1915-16 the following post-major courses, open to graduate students:

Palatine Anthology or Lucian.	<i>Two hours a week during the first semester.</i>
Sophocles, <i>Ajax</i> .	<i>Two hours a week during the second semester.</i>

Dr. Wright offers in 1916-17 the following post-major courses, open to graduate students:

Melic Poets.	<i>Two hours a week during the first semester.</i>
Plato, <i>Republic</i> .	<i>Two hours a week during the second semester.</i>

Dr. Wright offers in 1917-18 the following post-major courses, open to graduate students:

Theocritus.	<i>Two hours a week during the first semester.</i>
Æschylus, <i>Septem</i> .	<i>Two hours a week during the second semester.</i>

FREE ELECTIVE COURSES.

Minor and major courses amounting to seven hours a week are offered in Classical Art and Archæology; see pages 128 to 129.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Professor of Latin, Dr. James Fulton Ferguson, Associate Professor of Ancient History and Latin, and Dr. Mary Hamilton Swindler, Reader in Latin and Reader and Demonstrator in Classical Archæology.

GRADUATE COURSES.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Comedy, Lyric Poetry, and Elegy and Roman Epic Poetry, Cicero's Correspondence and Epigraphy. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminaries and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminaries and the journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

No undergraduates are admitted to graduate courses.

Dr. Wheeler conducts in each year the following graduate seminary:

Latin Seminary.

Three hours a week throughout the year.

In 1915-16 Latin Comedy is the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoeda*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1916-17 Roman Lyric in the Period of the Republic is the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1917-18 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations.

The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

Dr. Frank conducts in each year the following graduate seminary:

Latin Seminary.

Two hours a week throughout the year.

In 1915-16 Cicero's Correspondence is the subject of the seminary. An effort is made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilisation of Cicero's day.

In 1916-17 Latin Epigraphy and Palaeography will be the work of the seminary. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

In 1917-18 the course will be devoted to a study of the early Roman epic and tragedy.

Dr. Wheeler and Dr. Frank together conduct the Latin journal club.

Latin Journal Club.

One and a half hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent articles and books on subjects connected with the Latin classics.

POST-MAJOR COURSES.

Dr. Wheeler offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

Roman Satire.

Two hours a week throughout the year.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Wheeler offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

Roman Elegy.

Two hours a week throughout the year.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read. The readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Frank offers in 1915-16 and again in 1917-18 the following post-major courses, open to graduate students:

Lucretius and Catullus.

Three hours a week during the first semester.

Selections from the *De Rerum Natura* and from the lyrics of Catullus are read.

Latin Prose Composition.*One hour a week throughout the year.***Cicero and Cæsar.***Three hours a week during the second semester.*

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Dr. Frank offers in 1916-17 and again in 1918-19 the following post-major courses, open to graduate students:

The Life and Works of Vergil.*Three hours a week during the first semester.*

The larger part of the *Aeneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition.*One hour a week throughout the year.***Roman Prose of the Empire.***Three hours a week during the second semester.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius, and Minucius Felix are read.

Dr. Frank offers in each year the following elective course, open to graduate students:

Lectures on Roman Life.*One hour a week throughout the year.*

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown, Dr. Richard Thayer Holbrook, Dr. Regina Katharine Crandall, Dr. Agathe Lasch, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Jr., Dr. Jean Baptiste Beck, Mr. Samuel Arthur King, Dr. Pierre François Giroud, Dr. Howard James Savage, Miss Mary Jeffers, Dr. Edna Aston Shearer, Dr. Ida Langdon, Miss Esther Cloudman Dunn, Miss Ellen Thayer, Miss Clara Whitney Crane, Mrs. Edith Chapin Craven, Miss Elly Wilhelmina Lawatschek, and Miss Ellen Elisabeth Hill.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly,* Professor of English, Dr. Carleton Fairchild Brown, Professor of English Philology, Dr. Regina Katharine Crandall, Director of Essay Work, and Associate (elect) in English Composition, Dr. Samuel Claggett Chew, Jr., Associate and Associate Professor (elect) in English Literature, Mr. Samuel

* Granted leave of absence for the year 1915-16.

Arthur King, Non-resident Lecturer in English Diction, Dr. Howard James Savage, Lecturer in English Literature and Rhetoric and Associate Professor (elect) of English Composition and Director (elect) of English Essay Work, Dr. Edna Aston Shearer, Dr. Ida Langdon, Miss Esther Cloudman Dunn, Miss Clara Whitney Crane, Mrs. Edith Chapin Craven, and Miss Ellen Elisabeth Hill, Readers in English.

GRADUATE COURSES.

There are offered each year graduate seminars and courses in English literature and in English language, and these seminars and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature courses of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language course in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the essay work in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as the associated minor and those who offer English philology as a major subject must offer English literature as the associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Brown conducts in each year the following graduate seminary:

Seminary in Middle English.

Three hours a week throughout the year.

In 1915-16 the Beginnings of English Drama are the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles will be studied. In considering the morality plays, their connection with mediæval allegories, debates, and didactic treatises will be specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

In 1916-17 Middle English Romances will be the subject of the seminary. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

In 1917-18 the seminary will undertake the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

Dr. Brown offers in 1915-16 and again in 1917-18 the following graduate course:

Cynewulf and Cædmon.

Two hours a week throughout the year.

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts or its equivalent.

Dr. Brown offers in 1916-17 and again in 1918-19 the following graduate courses:

Beowulf.

Two hours a week throughout the year.

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

English Historical Grammar.

Two hours a week throughout the year.

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Miss Donnelly conducts in alternate years the following graduate seminary:

Seminary in English Literature.

Two hours a week throughout the year.

In 1916-17 the Romantic Poets will be the subject of the seminary. Special attention will be paid to Shelley and Byron and to the phases of Romanticism shown in their work. Their relations to their contemporaries in England and on the Continent will be discussed.

In 1918-19 Eighteenth Century Prose will be the subject of the seminary. Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

Dr. Chew conducts in alternate years the following graduate seminary:

Seminary in English Literature.

Three hours a week throughout the year.

In 1915-16 the seminary is devoted to the study of English Literature during the latter half of the reign of Queen Victoria. The work and influence of the Pre-Raphaelites, Swinburne, Meredith, and Pater; the influence of Baudelaire and Verlaine; the "Celtic Revival"; the revival of the drama; and the "New Mysticism" are among the topics considered.

In 1917-18 the subject of the seminary will be the Elizabethan and Jacobean drama. The period from about 1608 to 1642 will receive special attention. Problems of dramatic inter-relationship, authorship, technique, and the like will be investigated.

Dr. Savage offers in 1917-18 the following graduate course:

Technical and Advanced Criticism. *Two hours a week during the first semester.*

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, and other matters. Materials collected for other courses in research are available for use in this work.

Dr. Brown, Miss Donnelly, Dr. Chew, and Dr. Savage together conduct the English journal club.

English Journal Club. *One and a half hours a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

The following advanced undergraduate courses may be attended by graduate students:

Miss Donnelly offers in 1917-18 and again in 1919-20 the following course:

English Romantic Poets. *Five hours a week during the second semester.*

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, Keats, and Landor. Their works are discussed in class in connection with questions of poetics and literary theory and reports and essays are required from students attending the course.

Dr. Brown offers in 1915-16 and again in 1917-18 the following courses:

Anglo-Saxon Prose and Beowulf. *Five hours a week during the first semester.*

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Holthausen's or Schücking's text) and the first two-thirds of the poem is read with the class.

Middle English Poetry, Chaucer. *Five hours a week during the second semester.*

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. The complete text of the *Owl and Nightingale*, *The Vox and Wolf*, and *Pearl* will be read, as well as selections from Langland's *Vision of Piers the Plowman* and other pieces. Lectures are given on the development of the language and literature during this period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time.

Dr. Brown offers in 1916-17 and again in 1918-19 the following courses:

Middle English Romances. *Five hours a week during the first semester.*

Selected romances are read by the members of the class. The lectures deal with the development of Romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle.

Shakespeare.

Five hours a week during the second semester.

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work and his method in comedy, tragedy, and chronicle history. The plays usually chosen are: *Romeo and Juliet*, *Henry V*, *Othello*, *Hamlet*, and *Winter's Tale*. Some of the more general problems connected with these plays are discussed in introductory lectures.

Dr. Chew offers in each year the following courses:

English Critics of the Nineteenth Century.

Five hours a week during the first semester.

Carlyle, Newman, Ruskin, Arnold, and a few other writers are studied with regard to their theories of criticism and to their influence upon the thought of their time. The required reading includes, besides selections from these authors a certain amount of poetry. A report must be prepared by all students attending this course.

English Drama.

Five hours a week during the first semester.

This course is intended to give students who have completed the required course in English a survey of the development of the early drama, a more intimate knowledge of the Elizabethan and Jacobean period, and an introduction to the later periods of the drama. Plays by Lyly, Greene, Marlowe, Shakespeare, Jonson, Middleton, Beaumont and Fletcher and Webster, and among later dramatists Dryden, Congreve, Steele, Sheridan and certain nineteenth century writers will be read. A report will be required from each student attending the course.

Dr. Chew offers in 1915-16 and again in 1916-17 the following course:

English Poetry, 1850-1914.

Five hours a week during the second semester.

A review of the progress of poetry during the first half of the nineteenth century is followed by a more detailed study of the poets of the later period.

Dr. Savage offers in 1915-16 and again in 1916-17 the following course:

English Fiction in the Nineteenth Century.

Five hours a week during the second semester.

A study of the principal types of English prose fiction during the last century, the short story and the novel, with attention to their origins, development, and technique.

Dr. Savage offers in 1916-17 and again in 1918-19 the following elective course:

The Technique of the Drama.

Two hours a week throughout the year.

This course is open only to those students who can assure the instructor that they can pursue the work with profit. It deals with exercises in the use of dialogue, the building of scenarios, adaptation, and the writing of original longer and shorter plays; and with the observation of dramatic technique in plays read and seen.

Dr. Savage offers in 1917-18 and again in 1919-20 the following elective course:

Materials and Methods of Teaching Composition.

Two hours a week during the second semester.

This course is intended for graduate students and for undergraduates who expect to teach English; its aim is to present some of the problems of collegiate instruction in composition: the planning and supervision of courses, reports on departments in various colleges, and allied problems. Practice in writing is gained through reports of varying character and length.

Dr. Crandall offers in 1916-17 and again in 1918-19 the following elective course:

Intermediate Composition.

Two hours a week throughout the year.

In the main the course deals with problems connected with exposition, criticism, the essay, and kindred forms. Both longer papers and shorter papers, including some daily themes, will be written. The work is carried on through class meetings and personal interviews.

Dr. Crandall offers in 1917-18 and again in 1919-20 the following elective course:

The Short Story.

Two hours a week throughout the year.

The course deals with various forms of narrative, but the main emphasis is placed upon writing the short story. The work of representative authors, both English and French, is studied.

Dr. Crandall offers in each year the following elective course:

Argumentation, Written and Oral.

One hour a week throughout the year.

The writing of arguments, the study of the form with reference to other types of writing, and other problems connected with argumentation, formal and informal, make up the work of the course. If possible, some attention will be paid to oral composition.

Mr. King offers in each year the following course in English Diction for graduate students:

General Course in Articulation and Voice Production.

One half hour a week throughout the year.

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

Mr. King offers in 1915-16 and again in 1917-18 the following free elective course in English Diction:

Reading of Shakespeare.

One hour a week throughout the year.

This course is open only to those students who have taken the required course in English diction. A special study is made of the principles of correct delivery of blank verse. The needs of those students who intend to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

Mr. King offers in 1916-17 and again in 1918-19 the following free elective course in English Diction:

General Reading of Prose Authors.

One hour a week throughout the year.

This course is open only to those students who have attended the required course in English diction or who have done equivalent work.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen,* Professor of German Literature, Dr. Agathe Lasch, Associate Professor of Teutonic Philology, Dr. Oscar F. W. Fernsemer, Lecturer in German, and Miss Mary Jeffers,* Reader in Elementary German, and Miss Elly Wilhelmina Lawatschek, Reader in Elementary German.

GRADUATE COURSES.

The graduate courses offered in German philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Teutonic Philology as an associated minor and students who offer Teutonic Philology as a major subject must offer German literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Dr. Jessen* conducts in each year the following graduate seminary:

Seminary in German Literature.

Two hours a week throughout the year.

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1915-16 Schiller's essays on æsthetics are studied in the first semester, and modern German Drama in the second semester.

In 1916-17 the Romanticism of early modern German literature will be studied in the seminary.

In 1917-18 Goethe is the subject of study in the seminary.

Dr. Jessen offers in 1915-16† and again in 1917-18 the following graduate courses:

German Literary Criticism.

One hour a week during the first semester.

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative, and French and English liter-

* Granted leave of absence for the year 1915-16.

† In 1915-16 the seminary and courses announced by Dr. Jessen were conducted by Dr. Fernsemer,

ary criticisms are also considered. Lessing's *Laokoon* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are specially studied. The course is open to those students only who have a reading knowledge of French and German.

The German Essay.

One hour a week during the second semester.

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Dr. Jessen offers in 1916-17 and again in 1917-18 the following graduate courses:

German Metrics.

One hour a week during the first semester.

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics.

One hour a week during the second semester.

Lectures are given on *Deutsche Poetik* and *Stilistik*.

Dr. Jessen offers in each year, if the time of the department permits, one of the following graduate courses:

Goethe's *Faust*.

Two hours a week throughout the year.

This course is intended to give a detailed introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Goethe's Life and Works.

Two hours a week throughout the year.

This course aims at giving an introduction into *Goethe-philologie*.

Dr. Jessen* and Dr. Lasch conduct in each year the German journal club.

German Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. Jessen offers in 1915-16* and again in 1917-18 the following post-major courses, open to graduate students:

Lectures on the History of German Literature from the Romantic School till 1850.

Two hours a week during the first semester.

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

* See footnote, page 88.

German Drama in the Nineteenth Century.

Two hours a week during the second semester.

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romantics. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

Dr. Jessen offers in 1916-17 and again in 1918-19 the following post-major courses, open to graduate students:

German Literature from 1850 to the present time.

Two hours a week during the first semester.

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, in particular of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the present time (continued).

Two hours a week during the second semester.

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Louise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig and others; the significance of Nietzsche for German life and literature; neo-romanticism and *Heimatsdichtung*.

Dr. Jessen offers in each year the following post-major course, open to graduate students:

Advanced Critical Reading.

One hour a week throughout the year.

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Dr. Lasch offers in each year the following post-major course open to graduate students:

Elementary Middle High German.

One hour a week throughout the year.

(Given in each year when the time of the department permits.)

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. Paul's *Mittelhochdeutsche Grammatik* (8th edition, Halle, 1911) and Hartmann von Aue's *Der arme Heinrich* are used.

Dr. Lasch offers in each year the following elective course, open to graduate students:

Advanced German Composition.

One hour a week throughout the year.

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch, Associate Professor of Teutonic Philology.

Special attention is called to the facilities for the study of comparative teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of teutonic philology, Gothic and Middle High German grammar, are designed for students in their first year of graduate study in Teutonic languages, and the remaining courses for students in their second or third year.

Students intending to elect teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Dr. Lasch offers in each year the following graduate seminary:

Teutonic Seminary.

Two hours a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1915-16 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* are studied in the first semester. The many problems that these texts offer and the various attempts to solve them are discussed. In the second semester modern High German texts are the subject of the seminary.

In 1916-17 the subjects of the seminary will be taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it will be discussed.

In 1917-18 the seminary will be devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. If it seems advisable Old Saxon texts (*Heliand* and *Genesis*) will also be studied.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Dr. Lasch offers in each year the following graduate courses:

Introduction to the Study of Teutonic Philology.

One hour a week throughout the year.

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Teutonic languages and chiefly of the West Germanic branch.

Gothic.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts.

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (8th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make Teutonic philology a minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Middle Low German.

One hour a week throughout the year.

A sufficient knowledge of Old Saxon is presupposed on the part of students taking this course. The Middle Low German grammar will be studied and representative Middle Low German texts are read. This course may be substituted for the course in Middle High German in accordance with the requirements of the students in any particular year.

Old Norse.

Two hours a week throughout the year.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913) and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's (3d ed., Paderborn, 1913) or Neckel's (Heidelberg, 1914) *Edda*.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, and works on Old Norse language and literature.

Dr. Lasch offers in 1915-16 and again in 1917-18 the following graduate courses:

Old High German.

Two hours a week throughout the year.

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Comparative Teutonic Grammar.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

Dr. Lasch offers in 1916–17 and again in 1918–19 the following graduate courses:

Old Saxon.

Two hours a week during the second semester.

The work presupposes on the part the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée's *Altsächsische Grammatik* (2nd ed., Halle, 1910), *Heliand* (Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894.) are used.

History of Modern High German.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

In addition to the above courses, others in Old Frisian, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Jean Baptiste Beck, Associate Professor of Mediæval French Literature; Dr. Eunice Morgan Schenck, Associate in French and Dean of the College (elect); Dr. Pierre François Giroud, Non-resident Lecturer in French, an Instructor in French to be appointed, and Miss Ellen Thayer, Reader in Elementary French.

GRADUATE COURSES.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses covering the field

of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centers around one main topic to be studied as a part of the history of French literature in its various relations to general literature and civilization of the period concerned. Students may enter a seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on theses assigned them at the beginning of each semester.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminaries and a journal club for three years.

Dr. Beck conducts in each year the following graduate seminary:

Seminary in Mediæval French Literature.

Three hours a week throughout the year.

The work expected of graduate students in the seminary in Mediæval French Literature consists of a palæographical analysis of the original manuscripts, a cursory interpretation of the texts, a review of the opinions expressed by the respective specialists on each subject and a critical discussion of the comparative value of the work in question. These reports are intended to train graduate students in literary research. The courses in other Romance Languages (Italian and Spanish) and also those in Middle English are recommended to students in Mediæval French Literature. During her first year of work in this seminary each student is required to take also the course in Old French Philology, unless she has already taken a corresponding course.

In 1915-16 Lyric Poetry during the Middle Ages is synthetically studied. Beginning with the hymns and anthems of the Church, the formation of the various types of vernacular, lyric poetry in France is investigated. The Art of the Troubadours and Trouvères is compared with the songs of the so-called Goliards (*Carmina Burana*), with those of the Sicilian poets, and of the Minnesinger, in order to establish to what extent French Poetry has influenced them, both as to form and as to thought. Other subjects discussed are the predominant musical character of lyric poetry throughout the Middle Ages; three periods, from the artistic monopoly of the Clerics to the Nobility, then to the aristocratic Bourgeoisie and finally to the People; the *Ars Nova* and the influence of fourteenth century Italian poetry upon the French Chanson of the fifteenth century.

In 1916-17 the Evolution of Epic and Dramatic Literature from the twelfth to the sixteenth century will be studied in the seminary. The development of actual stage drama from the primæval liturgical ceremonies; these and the epic parts of Scripture gave birth to the *Mystères*. The dramatic elements contained in mediæval lyrics, such as the *Aubes*, *Pastourelles*, *Jeux-Partis* and in the dialogue forms of certain types, such as the *Chansons à danse*. The primitive Opera comique, a combination of lyrics and epics: *Aucassin et Nicolette*, *Robin et Marion*, *le Jeu de St. Nicolas*, etc.

In 1917-18 the subject of the seminary in Mediæval French Literature will be the Origin of French Literature from the earliest documents to the twelfth century. The literary products of this period are read and interpreted from photographic reproductions of the original manuscripts. The main emphasis is laid upon the development of mediæval literature from the previous Middle Latin literature, to show the interrelations between literature written in the various languages and dialects, both Romanic and Germanic, and the religious literature, and to illustrate the international character of literature during that period. The origin of mediæval lyric poetry is derived from the Tropes

and Sequences of St. Martial de Limoges and of St. Gall, the Epic Poetry from the Lives of Saints and the dramatic literature from the Liturgy of the Church. The absolute unity of mediæval art in the conception of the authors and artists of the Romanesque and Gothic periods will be illustrated by the mutual connections between the various literary genres and the different branches of fine arts, such as architecture, sculpture, painting and music.

Dr. Giroud offers in 1915-16 the following seminary:

Seminary in French Literature.

Three hours a week throughout the year.

In 1915-16 the subject of the seminary is Molière. The subjects studied are French Comedy before Molière; Molière's comedies, their Latin, Italian, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality.

Dr. Schenck conducts in each year the following graduate seminary:

Seminary in French Literature.

Two hours a week throughout the year.

In 1916-17 the subject of the seminary will be phases of Romanticism and Realism in the 19th century as illustrated by Chateaubriand, Madame de Stael, Hugo, Gautier, Stendhal, Flaubert, Renan and Taine. The seminary will open with a study of the origins of Romanticism in Jean Jaques Rousseau, and the relation of the early French Romanticists to Schlegel, Simondi and others will be considered.

In 1917-18 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch are discussed. A special study is made of Montaigne's style and of the *Apologie de Raymond de Sebonde*.

In 1918-19 the subject of the seminary will be Molière. The subjects studied are French Comedy before Molière; Molière's comedies, their Latin, Italian, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Dr. Schenck offers in 1915-16 the following graduate course:

The Romanticism and Realism of Flaubert.

One hour a week throughout the year.

The introductory lectures deal with the decline of romanticism and the rise of realism in France. A careful study is made of Flaubert's method based on the three versions of the *Tentation de Saint Antoine*, the *Correspondance*, etc. The investigations of René Descharmes, René Dumesnil and others are examined.

Dr. Beck offers in 1916-17 and in each succeeding year the following graduate course intended especially for teachers of French:

The Foundations of French Grammar.

One hour a week throughout the year.

This course is intended to train teachers to be able to give a rational explanation of the various functions of parts of speech and to dispense with mechanical grammatical rules.

Dr. Beck offers in 1915-16 and in each succeeding year the following graduate courses in Romance Philology:

Introduction to Romance Philology.

Two hours a week throughout the year.

The course in Romance Philology is designed to be a linguistic complement to the Seminary in Mediæval French Literature and must be taken by every member of this seminary during her first year. It is also required of all students who choose French as a minor subject in the examination for the degree of Doctor of Philosophy and recommended to students from other Modern Language departments who wish to acquire a reading knowledge of Old French and an outline of Mediæval French literature. The first semester is devoted chiefly to historical grammar of the Romance Languages, especially of Old French, Old Provençal, Old Italian and Old Spanish. During the second semester selections from the most typical genres are read in the order of their evolution so as to give the students an adequate idea of the origin and a summary idea of the development of Old French Literature in particular. The students are also made acquainted with mediæval palæography and other auxiliary disciplines. Experimentation with philological methods prepares the students to do research work.

Students of Old French should be provided with E. Monaci's *Facsimili di documenti per la storia delle lingue e delle letterature Romanze*, W. Foerster's *Altfranzösisches Übungsbuch* and K. Bartsch's *Chrestomathie de l'Ancien Français*, 11th edition.

Advanced Old French Philology.

One hour a week throughout the year.

The influence of Mediæval Latin upon the formation of the Old French literary language is studied. After an introduction to Mediæval Latin philology, the linguistic value of mediæval grammars, glosses, commentaries and interlinear translations is examined.

Dr. Beck offers in 1916-17 and again in 1918-19 the following graduate course in Metrics open to students of Mediæval Literature:

The Influence of Mediæval Latin Poetry upon Romance and Teutonic Versification.

One hour a week throughout the year.

The linguistic difference between Classical and Low Latin explains the change from quantitative to qualitative prosody. The fundamental difference between the rhythmical nature of Teutonic and Romance languages explains the dissimilarity in their respective versifications. The origin of Rime and of Isosyllabism in French.

Students who take this course are supposed to be familiar with classical and mediæval literature.

Dr. DeHaan, Dr. Holbrook, Dr. Beck, and Dr. Schenck together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

POST-MAJOR COURSES.

Dr. Beck offers in 1916-17 the following post-major course, open to graduate students:

Rabelais and the Satire in French Literature.

Two hours a week throughout the year.

This course gives first a general survey of satiric literature in France from the earliest time to the Renaissance. The "*sirventes*" is the representative of personal, political and religious satire. The *fabliaux* and *contes* represent the popular social satire. Caricature and satire in mediæval art; the predecessors of Rabelais: Rustebuef, Coquillart and Villon; Rabelais as a man, as a humanist and as a satirical philosopher; his literary technique; his influence upon French and English writers.

In 1916-17 and again in 1918-19 the following post-major course, open to graduate students, will be offered by an instructor whose appointment will be announced later:

French Lyric Poetry of the Nineteenth Century.

Three hours a week throughout the year.

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866. Lamartine, Hugo, Sainte-Beuve, Vigny, and Musset are studied only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, Banville, Leconte de Lisle, Sully Prudhomme, Coppée, Mendès, etc. The lectures of the second semester treat lyric poetry from 1866 to the present day. A careful study is made of the Parnassian school. Throughout the course the lectures are supplemented by the critical reading of texts.

Dr. Schenck offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

The Short Story (*Nouvelle*) in the Nineteenth Century.

Two hours a week throughout the year.

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

In 1917-18 the following post-major course, open to graduate students, will be offered by an instructor whose appointment will be announced later:

Molière and the French Comedy.

Three hours a week throughout the year.

After a study of the comic elements in Mediæval epic and dramatic literature, the nature of Molière's "comique" is analyzed and compared with that of his predecessors. Molière's influence upon French and foreign comedy as a psychologist and as a playwright is discussed.

Dr. Giroud offers in 1915-16 the following post-major course, open to graduate students:

Modern French Drama.

Three hours a week throughout the year.

The lectures deal with post-romanticism, realism and mysticism on the French stage, Rostand, Brieux and Maeterlinck being especially studied.

Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate Professor of Italian.

GRADUATE COURSES.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French Philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

The following graduate seminary will be offered in each year by an instructor whose appointment will be announced later.

Italian Seminary.

Two hours a week throughout the year.

This seminary presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Dr. DeHaan, Dr. Holbrook, Dr. Beck and Dr. Schenck together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

Dr. Holbrook offers in 1915-16 and an instructor whose appointment will be announced later, will offer in each succeeding year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Modern Italian.

Five hours a week throughout the year.

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. In the second semester the reading of Dante's *Inferno* will be begun.

SECOND YEAR.

Italian Literature.

Four hours a week throughout the year.

This course consists of a study of selections from Italian modern and classical literature in verse and prose. Among the works read will be Petrarch's *Canzoniere* and Carducci. The lectures are delivered in Italian.

Italian Composition.

One hour a week throughout the year.

Training will be given throughout the course in difficult modern prose composition with exercises in writing and speaking.

Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

GRADUATE COURSES.

The graduate seminary in Spanish is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French Philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Dr. DeHaan conducts in each year the following graduate seminary:

Seminary in Spanish.

Three hours a week throughout the year.

In 1915-16 the dramatic works of Moreto are the subject of the seminary. They are studied with regard to their place in Spanish literary history and as expressive of the social conditions in the Spain of their time.

In 1916-17 Cervantes, especially the *Novelas Ejemplares* will provide the material for investigation.

Dr. DeHaan offers in each year the following graduate courses:

Spanish Philology.

One hour a week throughout the year.

Old Spanish Readings.

One hour a week throughout the year.

Dr. DeHaan, Dr. Holbrook, Dr. Beck and Dr. Schenck together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

Dr. DeHaan offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Spanish.

Five hours a week throughout the year.

The object of this course is to give beginners a good knowledge of modern Spanish.

The first six weeks are given to the essentials of grammar; exercises at frequent intervals during the first semester give practice in the application of the principles; the remaining time is given to reading prose texts. In the second semester exercises in composition are continued but a greater proportion of the time is given to reading; plays in prose and in verse are read and attention is paid to versification.

SECOND YEAR.

Spanish.

Five hours a week throughout the year.

The work of the first year course is extended by the reading of moderately long and fairly difficult novels by representative modern authors, and some plays in verse, preferably of the classical period. Passages of continuous English prose are translated into Spanish.

Semitic Languages and Biblical Literature.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. The late Mr. Albert J. Edmunds presented to the college in 1907 his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighbouring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

GRADUATE COURSES.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyriology as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least six hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter

in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

Dr. Barton offers in 1915-16 and again in 1917-18 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew, one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Elementary Semitic Languages.

Two hours a week throughout the year.

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Seminary in New Testament Greek.

One hour a week throughout the year.

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline.

Egyptian.

One hour a week throughout the year.

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

Seminary in the History of Religion, Dr. Barton.

One hour a week throughout the year.

By means of lectures, reports, and discussions the principal features of primitive religions are ascertained, and the principal civilized religions studied with special reference to origin, historical development, and religious point of view.

Dr. Barton offers in 1916-17 and again in 1918-19 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

The work of the seminary is continued as given in 1915-16.

Seminary in Aramaic and Arabic.

Two hours a week throughout the year.

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected; a comparative study of the Syriac Versions of the Gospels, the

Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Comparative Semitic Grammar.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages.

Ethiopic.

One hour a week throughout the year.

The grammar and *Chrestomathia* of Praetorius and Dillmann are used and in the latter part of the course selections are read from the book of Enoch.

Hebrew Literature.

One hour a week throughout the year.

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Seminary in Oriental Archæology.

One hour a week throughout the year.

The work of this course may be devoted to the archæology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archæological objects, of reports, criticisms, conferences, and occasional lectures. To meet the needs of students of ancient history, the seminary may in some years be devoted to the history of one of the countries mentioned. The work will then consist in a study of the sources of the history of the country chosen, and the proper method of using them.

FREE ELECTIVE COURSES.

The courses in Biblical Literature and Oriental History are intended primarily for undergraduate students, but may be elected by graduate students also.

Dr. Barton offers in 1915-16 and again in 1917-18 the following free elective courses in Biblical literature:

History of Christian Doctrine.

Two hours a week throughout the year.

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A.D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the New Testament Canon.

One hour a week throughout the year.

In this course the history of the composition and collection of the books of the New Testament is studied. The instruction is given in lectures, and reading is assigned in the New Testament and in modern literature concerning it.

Dr. Barton offers in 1916-17 and again in 1918-19 the following free elective courses in Biblical literature:

New Testament Biography.

Two hours a week throughout the year.

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of the Old Testament Canon.

One hour a week throughout the year.

This course consists of a study of the Old Testament, similar in its methods and aims to the course on the New Testament Canon.

Dr. Barton offers in each year the following course:

Oriental History.

Three hours a week throughout the year.

This course treats in broad outlines the history and civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal Oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

History.

The instruction in this department is under the direction of Dr. Howard Levi Gray, Professor of History, Dr. William Roy Smith, Professor of History, Dr. James Miller Leake, Associate in History, Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Dr. James Fulton Ferguson, Associate Professor of Latin and Ancient History.

GRADUATE COURSES.

Three distinct seminaries, one in English and European history, one in American history and one in Ancient history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Gray conducts in each year the following graduate seminary:

Seminary in English and European History.

Three hours a week throughout the year.

In 1915-16 the subject of the seminary is the condition of England, France, and the Low Countries at the beginning of the Hundred Years' War. Apart from the social and economic condition of the countries in question, attention is given to English interests in Guienne, to the Scottish war of liberation, to the diplomatic preliminaries of the Hundred Years' War, and to the first successes and disasters attendant upon this struggle. Contemporary chronicles and state papers are the bases of study.

In 1916-17 the subject of the seminary will be a study of the reigns of Edward III and Richard II. The progress of the Hundred Years' War, the innovations in military science, the social changes wrought by the Black Death, the causes of the Peasants' Revolt of 1378, the rise of a native merchant class, the composition and power of Parliament will receive attention.

In 1917-18 the subject of the seminary will be England in the fifteenth century. The changes wrought in the life of all classes at the end of the Middle Ages and the substitution of a new social order for the old will be studied.

Dr. William R. Smith conducts in each year the following graduate seminary:

Seminary in American History.

Two hours a week throughout the year.

In 1915-16 the Revolution, the Confederation and the Constitution are the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1916-17 the seminary will deal with the Civil War and Reconstruction. Special stress will be laid upon the social, economic and political reorganization of the South, the North and the West and also of the nation as a whole during the period from 1861 to 1877.

In 1917-18 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Method and Bibliography.

Dr. Ferguson conducts in each year the following graduate seminary:

Seminary in Ancient History.

Two hours a week throughout the year.

In 1915-16 the Early Empire, its political, economic, and religious problems are the subjects of study. The work of the first semester is concerned with the reign of Augustus, and with a careful criticism of the estimate of Augustus by Ferrero. In the second semester the period is treated more by topics than by individual reigns. Such topics as deification of emperors, religious persecutions, extension of citizenship, cabinet government, decline of senatorial power, trade and trade policy are investigated.

In 1916-17 the Later Roman Empire will be studied. The founding of absolutism and its effects, economic depression, serfdom, religious controversies, and the relations between church and state, will be among the topics for discussion.

In 1917-18 the Hellenistic Age is the subject of the seminary. The development of the Hellenistic world is traced from the formation of permanent states down to the conquest of the east by Rome. Special emphasis is given to the intellectual awakening, the formation of Greek leagues, commercial activity, and the effect of the contact of the Greek and Roman worlds.

Dr. Leake offers in each year the following graduate course:

Historical Method and Bibliography.

One hour a week throughout the year.

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. Throughout the course practical studies will be assigned to illustrate the subjects under discussion. A reading knowledge of French and German is required. This course must be elected by all students who offer the seminary in American History for the degree of Doctor of Philosophy.

Dr. Gray, Dr. William Roy Smith and Dr. Leake conduct in each year the historical journal club.

Historical Journal Club.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

POST-MAJOR COURSES.

Dr. Gray offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

England to 1485.

Three hours a week throughout the year.

The transformation of Anglo-Saxon into Norman England, the constitutional and legal innovations of the Norman and Plantagenet kings, the intellectual and social condition of England at the height of the Middle Ages, and the effects of the Hundred Years' War are subjects of study. The more important documents and secondary works are discussed and written reports are required.

Dr. Gray offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

England under the Tudors.

Three hours a week throughout the year.

Attention will be given to the character of Tudor absolutism, parliamentary and local government, dynastic ambitions, foreign trade, the prosperity of the towns and the yeomen, the progress of the Reformation, and the complications in foreign affairs arising from religious changes. The reading and reports will be based largely upon contemporary documents.

Dr. William Roy Smith offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

American Constitutional History to 1783.

Two hours a week throughout the year.

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

Dr. William Roy Smith offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

American Constitutional History from 1783 to 1865.

Two hours a week throughout the year.

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-book used is MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Associate Professor and Professor (elect) of Economics and Politics, Dr. Charles Ghequiere Fenwick, Associate Professor of Political Science, Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research, and Miss Angie Lillian Kellogg, Reader (elect) in Social Economy and Social Research.

GRADUATE COURSES.

Three seminars, one in economics, one in political science, and one in social research are offered each year in addition to the direction of private reading and original research. Post-major courses amounting to five hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Marion Parris Smith offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

The object of the seminary is to train students in methods of research and to give them practice in using the sources of economic history and theory.

In 1915-16 Currency and Banking Systems of the United States are the subjects of the seminary.

In 1916-17 the theories and problems of Distribution and the agencies in modern social life that effect the distribution of wealth will be studied. Special attention will be paid to wage problems, profit sharing, various plans for controlling large scale production, modern land systems, etc.

In 1917-18 Economic Theory in England and America in the nineteenth century with special attention to the ideas of free trade and protection will be the subject of the seminary.

Dr. Fenwick offers in each year the following graduate seminary:

Political Seminary.

Three hours a week throughout the year.

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1915-16 Constitutional Questions involved in Modern Economic and Social Problems are the subject of the seminary. The chief economic and social problems in the United States are studied from the point of view of the restrictions placed by the constitution upon the legislative powers of Congress and of the several states in dealing with those

subjects. As an introduction the various theories relating to the functions of the state and the proper sphere of its activity are discussed.

In 1916-17 Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students will be required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1917-18 Municipal Government and Problems will be the subject of the seminary.

Dr. Kingsbury offers in each year the following graduate seminary:

Seminary in Social Research.

Three hours a week throughout the year.

A description of this seminary will be found on page 112.

Miss Kellogg offers in 1916-17 and in each succeeding year the following graduate seminary:

Seminary in Social Theory.

Two hours a week throughout the year.

A description of this seminary will be found on page 112.

Dr. Marion Parris Smith, Dr. Fenwick, Dr. Kingsbury and Miss Kellogg conduct in each year the economic journal club.

Economic Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. Marion Parris Smith offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

Economic and Social Legislation in England and America since 1890.

Three hours a week throughout the year.

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed, as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

American Social Problems.

Two hours a week throughout the year.

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban popu-

lation; the development of city life; the problems of country life; immigration, the race problem; recent developments in education, the care of defectives, and poor relief. Special topics are assigned to students for reports and attention is given to the use of original source material.

Dr. Fenwick offers in 1915-16 and again in 1916-17 the following post-major course, open to graduate students:

International Law.

Two hours a week throughout the year.

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the rules relating to war and neutrality at the present time, greater attention is paid to these than to the laws prevailing between nations at peace.

Dr. Fenwick offers in 1917-18 the following post-major course, open to graduate students:

Constitutional Law of the United States.

Three hours a week throughout the year.

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

Dr. Kingsbury offers in each year the following post-major courses, open to graduate students:

Elements of Social Statistics and Methods of Social Research.

Two hours a week during the first semester.

The object of the course is to acquaint the student with the sources of social statistical information and methods of securing, analysing, interpreting, and presenting social data. Preparation of various types of schedules, tabulation of information secured, the proper use of the several kinds of averages (mean, median and mode), are among the subjects presented. The course concludes with a critical study of the methods used in social economic investigations and reports by federal and state departments and by private organizations. The courses in Graphic Mathematics and in Industrial and Census Problems must be taken in connection with this course.

Organized Effort for Social Betterment.

Two hours a week during the second semester.

A brief survey of the origin, growth, and present methods of the most important social service and social welfare organizations will be presented in order to acquaint the student with the lines of activity open to social workers, (1) in social education, through settlements, civic centres or other neighborhood organizations; (2) in improvements of industrial conditions, through associations for labor legislation, labor organizations, or consumers' efforts; (3) in vocational counselling, through vocational advising, through placement, or through adjustment of employment; (4) in child welfare, through societies for care and protection of children; (5) in family care, through organizations for the reduction and prevention of poverty; (6) in social guardianship, through the probation work in the juvenile courts or corrective institutions; or (7) in social investigation and research.

Dr. Fenwick offers in each year the following free elective course, open to graduate students:

Elements of Private Law.

One hour a week throughout the year.

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of Procedure. The lectures are supplemented by a study and discussion of judicial decisions bearing on the subject.

Social Economy and Social Research.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research.

This department was opened in the autumn of 1915 and is known as the Carola Woerishoffer Graduate Department of Social Economy and Social Research in order that the name of Carola Woerishoffer may be associated in a fitting and lasting way with Bryn Mawr College which she so generously endowed. The department affords women an opportunity of obtaining advanced scientific training in philanthropy and social service to which Carola Woerishoffer devoted her life.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research, Miss Angie Lillian Kellogg, Reader (elect) in Social Economy and Social Research, and Miss Frieda Segelke Miller, Secretary to the Department of Social Economy and Social Research, with the co-operation of the following members of the closely allied departments of Economics and Politics, Philosophy, Psychology and Education. Dr. Marion Parris Smith, Associate Professor of Economics; Dr. Charles Ghequiere Fenwick, Associate Professor of Political Science; Dr. Theodore de Laguna, Professor of Philosophy; Dr. James H. Leuba, Professor of Psychology and Education; Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Educational Psychology; Dr. Matilde Castro, Associate Professor of Education; and Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. David Hilt Tennent, Professor of Biology. The seminars and courses given by

these instructors and enumerated below are specially adapted for students of Social Economy and Social Research.

The courses in Social Economy and Social Research are intended for graduate students who may present a diploma from some college of acknowledged standing. No undergraduate students are admitted although graduate students in the department in addition to the undergraduate courses in economics and political science may elect, subject to the approval of the Director, undergraduate courses in other subjects.

Students of this department should offer for admission to their graduate work a preliminary course in economics, and more advanced courses equivalent to the Bryn Mawr College major course in economics, politics or history, and also preliminary work in psychology or biology, or should follow such courses while taking the work of the department.

The courses are planned for one, two, and three years, on the principle that about two-thirds of the student's time shall be given to the study of theory and statistics and the remaining one-third to practical investigation and work in her chosen field. One half year may be spent in residence in a social service institution or in connection with a social welfare organization in Philadelphia, or New York, or elsewhere during which time the practical work and special reading and research will be supervised by the Director of the department and the Head of the institution or organization.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies to secure for its students definite affiliations with organizations in the fields chosen by them and a knowledge of the extent and character of such social activities in the city. This has led in the year 1915-16 to an arrangement for co-operative work with the College Settlement under Miss Anna Davies, the Criminal Division of the Municipal Court under Dr. Louise Stevens Bryant, the Society for Organizing Charity under Miss Betsey Libbey, the Division of Employment of the Bureau of Compulsory Education under Mr. Henry J. Gideon, and Mr. M. P. Townsend, the Women's Trade Union League under Miss Florence Sanville, the Social Service Department of the Hospital of the University of Pennsylvania under Miss Helen Glenn and Miss Sawtelle, and the Consumers' League under Miss Mary McConnell. As the needs and interests of students make it desirable to place them as workers with

other organizations, such as the Juvenile Court, Child Welfare Agencies, the Glenn Mills Reformatory, or the Bureau for Municipal Research, definite arrangements for co-operative supervision of such work will be made.

Graduates of colleges other than Bryn Mawr College with the preparation specified above who are able to study for one year only will receive diplomas certifying to the work they have taken. As the degree of Master of Arts is conferred only on graduates of Bryn Mawr College it is hoped that this diploma will in many cases be accepted for the master's degree in the colleges and universities from which students have received their bachelor's degree. Graduates of Bryn Mawr College may receive the degree of Master of Arts in Social Economy and Social Research under the conditions prescribed for this degree.

The degree of Doctor of Philosophy in Social Economy and Social Research is open to graduates of all colleges of high standing under the conditions prescribed for this degree in Bryn Mawr College.

Graduate students that have completed the above preliminary work in Economics and Political Science, or its equivalent, who are able to study for two years only will receive a diploma certifying to the work they have taken in the Graduate Department of Social Economy and Social Research.

Candidates for the degree of Doctor of Philosophy in Social Economy and Social Research may select their associated or independent minors from the following seminaries and graduate courses and from other graduate seminaries or courses, subject to the approval of the Graduate Committee. The practicum through which training and experience may be obtained under a social service institution or in connection with a social service organization will be counted towards the associated minor.

Ten hours a week of seminary work, eight hours of graduate lectures and seventeen and a half hours of undergraduate courses are offered in 1915-16 and will be increased in 1916-17 to sixteen hours a week of seminary work, eleven hours of graduate lectures, and twenty-five and a half hours of advanced undergraduate work available for graduate students in Social Economy and Social Research; direction of investigation and research in special fields, and supervision of the practicum in

social service and welfare accompanies the seminars and courses. The seminars and courses announced by the department are given in rotation so that different courses may be taken through three consecutive years. The selection of courses depends upon the field of social work which the student may choose. The seminary in Social Research or the seminary in Social Theory, and, unless previously taken, a post-major course in Social Statistics and Methods of Social Research are required of all students of the department.

GRADUATE COURSES.

The following graduate courses may be elected subject to the approval of the Director of the Department by students working for the first and second year diplomas as well as by candidates for the degree of Master of Arts or of Doctor of Philosophy in Social Economy and Social Research.

Dr. Kingsbury offers in each year the following graduate seminary:

Seminary in Social Research.

Three hours a week throughout the year.

The seminary will study some aspects of Social and Industrial Problems.

Research including field work in standards of living, income, wages, social relations, industrial conditions of women and children, vocational opportunities and demands, or some other subject will be required of research fellows and scholars and will be offered to every student. A group of students may co-operate to produce a study which, it is hoped, will prove a contribution to our knowledge of the social or industrial conditions investigated.

As the chief subjects of investigation will vary from year to year it will be possible for students to follow the work of the seminary for three consecutive years.

Miss Kellogg offers in 1916-17, and in each succeeding year the following graduate seminary:

Seminary in Social Theory.

Two hours a week throughout the year.

In 1916-17 the subject of the seminary will be Social Origins and Social Evolution, a study of the sentiments, the political and moral tendencies, and the religious and mental traits of primitive man as expressed in language, material invention, activities and formation, dispersions and struggles of primitive groups.

In 1917-18 the subject of the seminary will be Social Institutions, a study of domestic relations, kinship groups, marriage and the family, industrial organizations, the church, the state, schools, courts of justice, classes, and rights.

Miss Kellogg offers in 1916-17 and each succeeding year the following graduate course:

Social treatment of dependents and social treatment of delinquents and defectives.

Three hours a week throughout the year.

This course will involve a study of the principles, methods, and agencies employed for the prevention, relief and cure of dependency, defectiveness, and delinquency, such as

family case-work, outdoor relief, and institutional care, juvenile courts, probation and parole systems, the indeterminate sentence and psychological laboratories in connection with courts.

Miss Kellogg offers in 1917-18 and again in 1919-20 the following graduate course:

Legal Procedure in cases involving women and children.

One hour a week throughout the year.

The administrative side of the law affecting women and children is presented in this course. It includes a study of the law as applied in juvenile courts, domestic relations courts, and other municipal courts.

Miss Kellogg offers in 1918-19 and again in 1920-21 the following graduate course:

Social Administration.

One hour a week throughout the year.

The object of this course is to study the functions and departments of state boards of charities and corrections; state boards of education; organized charities; other social welfare reformatory and educational institutions; boards of managers' and superintendents' reports; and especially the making of statistical reports and budgets.

Dr. Marion Parris Smith offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

In 1916-17 the theories and problems of Distribution and the agencies in modern social life that affect the distribution of wealth will be studied. Special attention will be paid to wage problems, profit sharing, various plans for controlling large scale production modern land systems, etc.

In 1917-18 Economic Theory in England and America in the nineteenth century with special attention to the ideas of free trade and protection will be the subject of the seminary.

Dr. Fenwick offers in each year the following graduate seminary:

Political Seminary.

Three hours a week throughout the year.

In 1915-16 Constitutional Questions involved in Modern Economic and Social Problems is the subject of the seminary. The chief economic and social problems in the United States are studied from the point of view of the restrictions placed by the constitution upon the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the functions of the state and the proper sphere of its activity are discussed.

In 1916-17 Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students will be required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1917-18 Municipal Government and Problems will be the subject of the seminary.

Dr. Leuba offers in each year the following graduate seminary:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: instinct, feeling, and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, arrested mental development, etc.); animal behaviour; psychology of the beautiful.

In 1915-16 the psychology of abnormal and unusual children was the subject of the seminary.

Dr. Leuba offers in 1916-17 and in each succeeding year the following graduate seminary:

Seminary in Social Psychology. *Two hours a week during the first semester.*

In 1916-17 and again in 1918-19 the principles of social psychology and their applications to problems of commerce, industry and government are the subject of the seminary.

In 1917-18 and again in 1919-20 Temperament and Character, their instinctive and emotional foundation, will be the subject of the seminary.

This seminary may be elected separately or may be combined with the seminary in Social and Political Philosophy given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

Dr. Theodore deLaguna offers in 1916-17 and in each succeeding year the following graduate seminary:

Seminary in Social and Political Philosophy. *Two hours a week during the second semester.*

The topics chosen for discussion will vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education. This seminary may be elected separately or may be combined with the seminary in social psychology given in the first semester to count as a seminary in the Department of Social Economy and Social Research.

Dr. Gordon conducts in 1915-16 and Dr. Castro will conduct in each succeeding year the following graduate seminary:

Seminary in Principles and Methods of Education. *Three hours a week throughout the year.*

In the seminary the principles and methods of education which bear most directly on the selection and teaching of the school curriculum are considered. For members of the seminary who prove to be qualified, opportunities will be afforded for practice in teaching individual children or small groups of Model School pupils who may require special instruction. Observation of classes in the Model School and elsewhere will be part of the required work.

Dr. Rand offers in each year the following graduate seminary:

Seminary in Mental Tests. *Two hours a week throughout the year.*

Laboratory Work. *Four hours a week throughout the year.*

This course combines seminary, laboratory drill, and research features. In the seminary work the history, development, and purpose of mental tests will be treated, and a study made of the sensory and higher mental processes. The laboratory drill will consist of training in the application of tests (including the Binet-Simon series), and practice in diagnosing mental ability, using as subjects children from schools in the vicinity of Bryn Mawr and Philadelphia. The research work will consist of special problems in the

devising and standardization of tests, and the formulation of methods designed to improve specific mental deficiencies. The course is open only to graduate students who have had training in experimental psychology. If taken in connection with the special laboratory problems the work of the seminary and laboratory work will occupy thirteen hours a week of the student's time. Students not taking the special problems will be credited with ten hours work.

Special Laboratory Problems in Mental Tests.

Four hours a week throughout the year.

This course is offered in each year in connection with the course in Mental Tests to students who wish to pursue advanced work.

Dr. Kingsbury and Miss Kellogg offer in each year the following practicum for graduate students:

Practicum in Social Economy. Time equivalent to one seminary.

Conference one hour a week throughout the year.

It is intended that one-third of the time of each student* in the department should be devoted to a practicum which shall come under the joint direction of a member of the department of Social Economy and the head of the social welfare institution with which the student elects to take this work. The work must be of a sufficiently practical character to give the student both the necessary training to fit her to enter her selected field at the close of the course and at the same time a general knowledge of the subject and a theoretical understanding of its problems, methods and technique.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies to secure for its students definite affiliations with organizations in the fields chosen by them and a knowledge of the extent and character of such social activities in the city. This has led in the year 1915-16 to an arrangement for co-operative work with the College Settlement under Miss Anna Davies, the Criminal Division of the Municipal Court under Dr. Louise Stevens Bryant, the Society for Organizing Charity under Miss Betsey Libbey, the Division of Employment of the Bureau of Compulsory Education under Mr. Henry J. Gideon and Mr. M. P. Townsend, the Women's Trade Union League under Miss Florence Sanville, the Social Service Department of the Hospital of the University of Pennsylvania under Miss Helen Glenn and Miss Sawtelle and the Consumers' League under Miss Mary McConnell. As the needs and interests of students make it desirable to place them as workers with other organizations, such as the Juvenile Court, Child Welfare Agencies, the Glenn Mills Reformatory or the Bureau for Municipal Research, definite arrangements for co-operative supervision of such work will be made.

The following advanced undergraduate courses are offered to students in the department:

Dr. Kingsbury offers in each year the following post-major course, open to graduate students:

Elements of Social Statistics and Methods of Social Research.

Two hours a week during the first semester.

The object of the course is to acquaint the student with the sources of social statistical information and methods of securing, analysing, interpreting and presenting social data. Preparation of the various types of schedules, tabulation of information secured, and the proper use of the several kinds of averages (mean, median, mode), are among the subjects

* Candidates who have had satisfactory experience in their chosen field may devote all their time to courses in theory and allied subjects.

considered. The course concludes with a critical study of the methods used in social economic investigations and reports by federal and state departments and by private organizations. This course must be accompanied by the courses in Graphic Mathematics and in Industrial and Census Problems.

Dr. Scott offers in 1915-16 and again in 1916-17 the following free elective course, open to graduate students:

Graphic Mathematics.

One hour a week throughout the year.

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics and of social economy as well as to students of physics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

In 1916-17 the following free elective course, open to graduate students, will be offered by an instructor whose appointment will be announced later:

Industrial and Census Problems.

One hour a week throughout the year.

This course deals with the application of statistical methods to questions arising in the study of industry and population and is recommended to students of Social Economy who are taking the course in Graphic Mathematics.

Dr. Kingsbury offers in each year the following post-major course, open to graduate students:

Organized Effort for Social Betterment.

Two hours a week during the second semester.

A brief survey of the origin, growth, and present methods of the most important social service and social welfare organizations will be presented in order to acquaint the student with the lines of activity open to social workers; (1) in social education, through settlements, civic centres or other neighborhood organizations; (2) in improvements of industrial conditions, through associations for labor legislation, labor organizations, or consumers' efforts; (3) in vocational counselling, through vocational advising, through placement, or through adjustment of employment; (4) in child welfare, through societies for care and protection of children; (5) in family care, through organizations for the reduction and prevention of poverty; (6) in social guardianship, through the probation work in the juvenile courts or corrective institutions; or (7) in social investigation and research.

Dr. Marion Parris Smith offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

Economic and Social Legislation in England and America since 1890.

Three hours a week throughout the year.

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed, as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

American Social Problems.*Two hours a week throughout the year.*

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made in the changes in rural and urban population; immigration, the race problem; the development of city life; the problems of country life; recent developments in education; the care of defectives, and poor relief; problems of food distribution, retail markets. Special topics are assigned to students for reports and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in each year the following major course, open to graduate students:

History of Economic Thought.*Five hours a week during the second semester.*

The object of this course is to give advanced students an historical introduction to modern economic thought as a basis for a critical study of modern economic problems. The successive changes in the theory of value and of distribution since the middle of the eighteenth century are studied with special reference, first, to the philosophical and speculative thought, and second, to the industrial institutions of the times.

The students will be expected to read critically portions of standard texts, including Adam Smith's *Wealth of Nations*; Ricardo's *Principles of Political Economy and Taxation*; Malthus's *Principles of Population*; Senior's *Political Economy*; J. S. Mill's *Principles of Political Economy*; Jevon's *Political Economy*; and selections from the writings of Marshall, Wicksteed, Boehm-Bawerk, Wieser, J. B. Clark, Pantaleoni and others. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

Dr. Fenwick offers in each year the following major course, open to graduate students:

Present Political Problems.*Five hours a week during the first semester.*

The object of this course is to present the chief political problems which have arisen in recent years. The several branches of the federal and state governments are taken up one by one and such questions are discussed as: the influence of the Executive over Congress; the conflict between treaties and legislation; the relation of the administrative departments to Congress; Committee rule in Congress; the growth of judicial power and proposals for restricting it; the courts and social legislation; the initiative, referendum, and recall; Commission government in cities, etc. The course will be preceded by a brief study of modern theories relating to the end and object of the state, with the object of ascertaining the proper sphere of the activities of the state.

Dr. Fenwick offers in each year the following free elective course, open to graduate students:

Elements of Private Law.*One hour a week throughout the year.*

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of Procedure. The lectures are supplemented by a study and discussion of judicial decisions bearing on the subject.

Dr. Gordon offers in 1915-16 and Dr. Rand offers in 1916-17 and in each succeeding year the following major course, open to graduate students:

Applied Psychology.*Five hours a week during the second semester.*

The specific applications of psychology form the subject matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of the mental equipment of children of different ages and individual practise is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered. Four hours a week of laboratory work is required from students taking the course. A knowledge of psychology equivalent to that obtained in the minor course is presupposed.

In addition to the above courses the following courses may be elected in accordance with the chosen field and subject to the approval of the Director of the Department:

Dr. Theodore de Laguna offers in each year the following major course, open to graduate students:

Elementary Ethics.

Five hours a week during the second semester.

The course comprises an historical and critical introduction to ethics. Particular attention is paid to recent studies in moral evolution and their significance for the question of the objectivity of moral standards. The latter part of the course includes a simple treatment of the general theory of values with illustrations of its applications in ethics, æsthetics and economics.

Dr. Leuba offers in each year the following major course, open to graduate students:

Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Ethics, Science and Art.

Five hours a week during the first semester.

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a crowd, a clique, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. The social institutions magic, religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This is a historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. Grace Mead Andrus de Laguna, Associate Professor of Philosophy, Dr. Albert Edwin Avey, Associate in Philosophy, and Miss Marion Reilly, Dean of the College and Reader in Philosophy.

GRADUATE COURSES.

A seminary in logic and metaphysics is offered each year and a seminary in ethics and one in the history of philosophy are offered in alternate years. The subjects of study are changed from year to year through a cycle of three years. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing Philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Theodore de Laguna conducts in alternate years the following graduate seminary:

Ethical Seminary.

Two hours a week throughout the year.

In 1915-16 Political Ethics is the subject of the seminary. During the first semester the relations between the state and the individual are studied, and during the second semester international relations. This subject will hereafter be replaced by Recent French Ethics: Durkheim, Levy-Bruhl, Fouillée, Belot, and Paulhan.

In 1917-18 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticized by Green, Sorley, Huxley, Pringle-Pattison, and Rashdall, will be studied. Special attention will be given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

Dr. Grace de Laguna conducts in alternate years the following graduate seminary:

Seminary in Logic and Metaphysics.

Two hours a week throughout the year.

In 1915-16 the Nature of Consciousness is the subject of the seminary. During the first semester the psychophysical aspect is examined and during the second semester the epistemological aspect.

In 1917-18 Contemporary Realism as represented by Moore, Russell, Alexander, Perry, McGilvary and Fullerton will be the subject of the seminary.

Dr. Theodore de Laguna conducts in alternate years the following graduate seminary:

Seminary in Logic and Metaphysics.

Two hours a week throughout the year.

In 1916-17 Inductive and Genetic logic will be studied. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin are the basis of investigation.

In 1918-19 English Empiricism will be discussed in the seminary. Special attention will be paid to its connections with associationism, and to the development of the theory of scientific method.

Dr. Avey conducts in alternate years the following graduate seminary:

Seminary in the History of Philosophy.

Two hours a week throughout the year.

In 1916-17 the philosophy of Kant is the subject of the seminary. The principal writings of the critical period will be read and a careful study will be made of the final organization of Kant's system in the *Critique of Judgment*.

In 1918-19 Descartes and Spinoza will be studied with special reference to their view of the relation between idea and object.

Dr. Theodore de Laguna offers in each year the following graduate seminary:

Seminary in Social and Political Philosophy.

Two hours a week during the second semester.

The topics chosen for discussion will vary from year to year. Prominent among them will be: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education.

This seminary may be elected separately, or may be combined with the seminary in Social Psychology, given two hours a week during the first semester, as a seminary for students in the Department of Social Economy and Social Research.

Dr. Avey offers in 1915-16 the following graduate course:

Logistic.

One hour a week throughout the year.

This course includes a study of the more general laws of thought under which the laws of the traditional logic stand as special instances.

Dr. Theodore de Laguna, Dr. Grace de Laguna and Dr. Avey conduct in each year the philosophical journal club.

Philosophical Journal Club.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

The following advanced undergraduate courses may be attended by graduate students:

Dr. Theodore de Laguna offers in each year the following courses:

History of Philosophy.

Five hours a week during the first semester.

Ancient philosophy is very briefly treated. The greater part of the course is devoted to the discussion of selections from the principal writings of Bacon, Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume.

Elementary Ethics.

Five hours a week during the second semester.

The course comprises an historical and critical introduction to ethics. Particular attention will be given to recent studies in moral evolution, and their significance for the question of the objectivity of moral standards.

The latter part of the course will include a simple treatment of the general theory of values, with illustrations of its application in the fields of ethics, æsthetics, and economics.

Dr. Avey offers in each year the following course:

From Kant to Spencer.

Five hours a week during the first semester.

The course is principally occupied with the development of the post-Kantian idealism, and with the naturalistic systems of Comte, J. S. Mill, and Spencer.

Dr. Grace de Laguna offers in 1916-17 the following course:

Recent Philosophical Tendencies. *Five hours a week during the second semester.*

This course includes a discussion of such theories as pragmatism, idealism, neo-realism, etc. In 1915-16 this course was given by Dr. Avey.

Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Kate Gordon, Associate Professor of Education, Dr. Gertrude Rand, Associate in Experimental and Educational Psychology, and Dr. Albert Edwin Avey, Associate in Philosophy.

GRADUATE COURSES.

Seven hours of graduate lectures and seminary work are offered in each year in addition to the direction of private reading and original research. Ten hours a week of advanced undergraduate courses are also open to graduate students. The laboratories of experimental psychology are open for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

Dr. Leuba offers in each year the following graduate seminars:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: instinct, feeling and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, arrested mental development, etc.); animal behaviour; psychology of the beautiful. In 1915-16 the psychology of abnormal and unusual children was the subject of the seminary.

Seminary in Social Psychology.

Two hours a week during the first semester.

In 1916-17 and again in 1918-19 the principles of social psychology and their applications to problems of commerce, industry and government are the subject of the seminary.

In 1917-18 and again in 1919-20 temperament and character and their instinctive and emotional foundation will be studied. This seminary together with the seminary in social philosophy, given in the second semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Dr. Ferree offers in each year the following graduate seminary:

Seminary in Systematic Psychology.

Three hours a week throughout the year.

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation,

the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Laboratory Work.

The laboratory work consists of individual practice and research.

Dr. Leuba, Dr. Ferree and Dr. Rand together conduct in each year the psychological journal club.

Psychological Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

The following advanced undergraduate courses may be attended by graduate students:

Dr. Leuba offers in each year the following courses:

Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Ethics, Science and Art.

Five hours a week during the first semester.

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a crowd, a clique, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. The social institutions, magic, religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

The Psychology of Instinct and Emotion, and Animal Behaviour.

Five hours a week during the second semester.

Although the course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

Dr. Ferree and Dr. Rand offer in each year the following course:

Experimental Psychology.

Five hours a week during the first semester.

Laboratory work.

Four hours a week during the first semester.

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. The laboratory work consists of individual practise in selected topics.

Dr. Ferree offers in each year the following course:

Advanced Experimental Psychology.

Two hours a week throughout the year.

This course consists of five hours laboratory work a week, the students being assigned problems to investigate.

Dr. Gordon offers in 1915-16 and Dr. Rand offers in 1916-17 and in each succeeding year the following course:

Applied Psychology.

Five hours a week during the second semester.

Laboratory work.

Four hours a week throughout the second semester.

The specific applications of psychology form the subject matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of the mental equipment of children of different ages and individual practise is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc. are briefly considered.

Education.

This Department is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.

The instruction in Education is under the direction of Dr. Kate Gordon, Associate Professor of Education, Dr. Matilde Castro, Associate Professor of Education and Director of the Phebe Anna Thorne Model School, Professor James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Educational Psychology, and Miss Angie Lillian Kellogg, Reader (elect) in Social Economy and Social Research.

The work of the Department of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges receive diplomas certifying to the work that they have taken in the Graduate Department of Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne Model School.

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted at ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven years' high school course based on the soundest available theory and practice of teaching to be found in this country or abroad. Wherever a new method of teaching a high school subject is known to have succeeded it will be studied and introduced into the model school and the results on the pupils of different methods of teaching the same subjects will be tested and compared in the psychological laboratories of the college. It is believed that the opportunity thus afforded of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

GRADUATE COURSES.

In addition to two seminars in education, and courses in the study of children and mental tests there are offered in each year observation classes in the Phebe Anna Thorne Model School and courses in systematic and experimental psychology recommended to students of education. Students electing education as their major subject for the degree of Doctor of Philosophy must elect experimental and systematic psychology as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Dr. Gordon conducts in 1915-16 the following graduate seminars:

Seminary in Methods of Teaching.

Two hours a week throughout the year.

The subjects dealt with in the seminary include the discussion of the pedagogical principles underlying the teaching of the various school branches, English, history, mathematics, science, etc. Two hours each week of observation of classes in the Phebe Anna Thorne Model School are required in connection with the seminary.

All students working in the department of education are required to attend this seminary.

Seminary in Educational Problems.

Two hours a week throughout the year.

All students working in the department of education who have completed the seminary in Methods of Teaching or have done equivalent work are expected to attend this seminary. The selection of subjects in this course varies from year to year. For 1915-16 a study of the methods for diagnosing intelligence is taken up and an opportunity given for the student to assist at the giving of tests on school children. Other topics for study are: advanced readings in the History of Education, School Hygiene, the principles underlying the curriculum.

Dr. Castro offers in 1915-16 the following graduate course:

The Psychological Bases of Class-room Technique, Dr. Castro.

One hour a week throughout the year.

The course discusses and illustrates typical class-room problems and considers the psychological bases for their control.

All students working in the department of education are required to attend this course.

Dr. Castro offers in 1916-17 and in each succeeding year the following graduate seminary:

Seminary in Principles and Methods of Education.

Three hours a week throughout the year.

The principles of education and the methods which bear most directly on the selection and teaching of the school curriculum are the subject of the seminary. For members of the seminary who prove to be qualified there will be opportunities for practice in teaching individual children or small groups of Model School pupils who may require special instruction. Observation of classes in the Model School and elsewhere will be a part of the required work.

Dr. Rand conducts in each year the following graduate seminary:

Seminary in Mental Tests.

Two hours a week throughout the year.

Laboratory Work.

Four hours a week throughout the year.

This course combines seminary, laboratory drill, and research features. In the seminary work the history, development, and purpose of mental tests will be treated, and a study made of the sensory and higher mental processes. The laboratory drill will consist of training in the application of tests (including the Binet-Simon series), and practice in diagnosing mental ability, using as subjects children from schools in the vicinity of Bryn Mawr and Philadelphia. The research work will consist of special problems in the devising and standardization of tests, and the formulation of methods designed to improve specific mental deficiencies. The course is open only to graduate students who have had training in experimental psychology, and counts as a seminary only for those students who take in addition the course in special laboratory problems. Students who do not take the course in special problems will be credited with work amounting to ten hours a week.

Special Laboratory Problems in Mental Tests.

Four hours a week throughout the year.

This course is offered in connection with the seminary in Mental Tests to students who wish to pursue advanced work.

Dr. Gordon, Dr. Castro and Dr. Rand together conduct the journal club.

Journal Club in Education.

Two hours once a fortnight throughout the year.

The advanced students meet with the instructors once a fortnight to hear or read reports on the literature of the subject.

In addition to the above courses the following courses in education and in other departments are adapted to the needs of graduate students in the department of education:

Dr. Gordon offers in 1915-16 and Miss Kellogg will offer in 1916-17 the following undergraduate course, open to graduate students:

Introduction to Education.

Two hours a week throughout the year.

The course is designed to give a general survey of the field of pedagogical inquiry. It considers the social and philosophical conceptions which underly school practise and organization; the historical development of these conceptions, the psychological problems which are concerned in school management and methods of teaching and an introduction to the methods of experimental psychology.

Dr. Ferree offers in each year the following courses:

Seminary in Systematic Psychology.

Three hours a week throughout the year.

This seminary is intended for graduate students who have already taken a course in experimental psychology and gives a systematic presentation of the literature of experimental psychology. Due consideration, however, is paid to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.) The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Experimental Psychology.

Five hours a week during the first semester.

This is an undergraduate course forming part of the minor or second year's work in psychology and all graduate students of education are required to take this course or to have taken its equivalent. It should be substituted in the first year for the course in systematic psychology by students who have not had equivalent work. Four hours a week of laboratory work are required in connection with this course.

Mr. King offers in each year the following graduate course:

English Enunciation.

One hour once a fortnight throughout the year.

Classical Archæology.

The instruction in this department is under the direction of Mr. Rhys Carpenter, Associate Professor of Classical Archæology and Dr. Mary Hamilton Swindler, Reader in Latin and Reader and Demonstrator in Classical Archæology.

An archæological seminary of two hours a week and a graduate course of one hour a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week, affording a complete series of instruction in the various branches of classical archæology. It is recommended that those who elect archæology as a major subject should offer Greek Sculpture, Art and Life in Hellenistic Towns, and Ancient Rome, during their first year, reserving for their second year the courses on Ancient Architecture, Ancient Painting and Vases, and the Minor Arts.

All the undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison.

GRADUATE COURSES.

A seminary in archæology and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Mr. Carpenter conducts in each year the following graduate seminary:

Archæological Seminary.

Two hours a week throughout the year.

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1915-16 Greek minor arts (coins, gems, terra-cottas) are studied in the first semester, and the monuments and topography of Athens and Delphi in the second semester.

In 1916-17 Greek architecture will be studied in the first semester, and Roman architecture in the second semester.

In 1917-18 fifth century Greek sculpture is the subject of the seminary in the first semester, and fifth century Greek vases in the second semester.

Dr. Swindler offers in each year the following graduate courses:

Ægean Archæology with emphasis on the recent discoveries in Crete.

One hour a week during the first semester.

Ancient Painting.

One hour a week during the second semester.

The work includes a detailed survey of Cretan frescoes, painted plaques, stelæ and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration and the mummy portraits from the Fayûm.

Mr. Carpenter and Dr. Swindler together conduct in each year the Archæological Journal club:

Archæological Journal Club. One and a half hours a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

The following undergraduate courses may be attended by graduate students:

Mr. Carpenter offers in each year the following minor and major courses:

Ancient Architecture.

Three hours a week throughout the year.

An introductory outline of Egyptian, Cretan, and Mycenean building is followed by a detailed study of the principles and practice of architecture in Greece and Rome. The course ends with a brief survey of Byzantine, Renaissance, and present-day classical styles. Emphasis is laid on architectural evolution and its connection with the civilization of the times. This course was not given in 1915-16.

Greek Sculpture.

Three hours a week throughout the year.

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

Art and Life in Hellenistic Towns.

Two hours a week during the first semester.

A reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination.

Greek and Roman Minor Arts.

Two hours a week during the second semester.

The course treats of Greek and Roman bronze statuettes, terra-cotta figurines, coins, gems, jewelry, silver-ware, and similar objects, mainly for their artistic and cultural interest. The first six lectures deal with Cretan and Mycenean art. This course supplements that on Greek vase-painting given in the first semester.

Dr. Swindler offers in each year the following minor and major courses:

Ancient Painting and Vases.

Two hours a week during the first semester.

The course traces the development of ancient painting. It further forms an introduction to the mythology and daily life of Greece, through the study of designs on Greek vases.

Ancient Rome.

Two hours a week during the second semester.

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended both as an archaeological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

This course supplements that on Art and Life in Hellenistic Towns given in the first semester.

History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King, Associate Professor of the History of Art, Miss Dorothy Ochtman, Demonstrator in the History of Art, and Miss Helen Huss Parkhurst, Reader and Demonstrator (elect) in the History of Art.

GRADUATE COURSE.

A seminary in History of Art of two hours a week throughout the year is offered to graduate students who have done elementary work in history of art.

In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of the Academic Council.

Miss King conducts in each year the following graduate seminary and journal club:

Seminary in Modern Painting.

Two hours a week throughout the year.

In addition to working with books and photographs the students will be required to make short day-trips to study pictures.

In 1916-17 the subject of the seminary is the Spanish primitives.

In 1917-18 the sources of Spanish architecture from the 12th to the 15th century will be studied.

In 1918-19 the subject will be Spanish painting after 1500. Special problems will be assigned for investigation and report.

Journal Club in Modern Painting.

Two hours once a fortnight throughout the year.

The following undergraduate courses may be attended by graduate students:

Miss King offers each year the following minor, major and elective courses:

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century. *Three hours a week throughout the year.*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy.

Gothic Architecture.

Two hours a week throughout the year.

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture.

Renaissance Sculpture.

Two hours a week throughout the year.

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion.

Modern Painting.

Three hours a week throughout the year.

This course is an elective open only to students who have completed at least five hours for one year in the history of art, or an equivalent course. It deals with the history of painting since 1830 and comes down to the present year. Students are expected to make trips to Philadelphia and the neighbourhood to study pictures, as often as may seem necessary. In 1915-16 this course met for two hours a week in the second semester only.

Miss King offers in 1915-16 and Miss Parkhurst will offer in 1916-17 and in each succeeding year the following course, open to graduate students:

Painting in the Seventeenth and Eighteenth Centuries.

Three hours a week throughout the year.

In the first semester the Dutch, German, and Flemish painters will be studied, in the second semester the French, Spanish, and English.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, Mr. Charles Clinton Bramble, Lecturer in Mathematics, and Dr. Olive C. Hazlett, Associate (elect) in Mathematics.

GRADUATE COURSES.

The graduate courses consist of lectures and seminary work supplemented by private reading under the direction of the instructors, the courses being arranged each year with reference to the wishes and degree of preparation of the students concerned. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Scott offers in 1915-16 the following graduate course:

General Theory of Plane Algebraic Curves.

Two hours a week throughout the year.

No knowledge of the systematic theory is presupposed, beyond what is contained in the customary work in analytical geometry. The lectures take up Plücker's equations, the analysis of higher singularities, the theory of the intersections of curves, with some discussion of systems of curves and geometry on a curve. Attention is paid to special configurations that present themselves in connection with cubic and quartic curves.

Dr. Scott offers in 1916-17 the following graduate course:

Differential Geometry of Curves and Surfaces.

Two hours a week throughout the year.

While the lectures will to some extent follow the arrangement of Eisenhart's treatise the intention is that students familiarise themselves with the corresponding work of Darboux. The whole subject is of much importance in present day Mathematics.

Dr. Scott offers in 1917-18 the following graduate course:

General Course in Higher Plane Curves.

Two hours a week throughout the year.

During the first semester the lectures will deal with general properties of plane algebraic curves, chiefly from the analytical standpoint, but partly from the topological. The second semester will be devoted either to the topology of plane algebraic curves, or, more probably, to a detailed treatment of certain special curves and classes of curves.

Dr. Hazlett offers in 1916-17 the following graduate course:

Formal Algebra.

Two hours a week throughout the year.

It is intended that the course deal with the formal properties of algebra, invariants, etc., without confining the treatment to any one particular type of algebra.

Dr. Hazlett offers in 1917-18 the following graduate course:

Theory of Algebraic Numbers.

Two hours a week throughout the year.

A short account of rational integers is given; afterwards the subject of integers in a general algebraic realm is taken up, special attention being given to quadratic realms.

Dr. Scott and Dr. Hazlett together conduct the journal club.

Mathematical Journal Club.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and advanced work. They deal, therefore, with the subjects of the major course carried to higher developments and treated by higher methods. As the order of mathematical studies differs in different colleges, graduate students frequently find it advisable to devote a part of their time to these courses.

Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four hours a week. The courses given are the following with occasional modifications:

I. (a.) Lectures Introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or, I. (b.) Lectures on Modern Pure Geometry.

or, I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, Certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take this course before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or, II. (b.) Lectures Preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or, II. (c.) Lectures on Differential Equations, ordinary and partial.

or, II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

or, II. (e.) Elementary Theory of Numbers.

In 1915-16 the following post-major course is offered:

I. (a.) Dr. Scott.

Two hours a week throughout the year.

In 1916-17 the following post-major courses are offered:

I. (b.) Dr. Scott.

Two hours a week throughout the year.

II. (d.) Dr. Hazlett.

Two hours a week throughout the year.

FREE ELECTIVE COURSES.

Dr. Scott offers in 1915-16 and again in 1916-17 the following free elective course, open to graduate students:

Graphic Mathematics.

One hour a week throughout the year.

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirement of matriculation is presupposed.

Dr. Scott offers in 1917-18 the following free elective course, open to graduate students:

Fundamental Theorems of Algebra and Geometry.

One hour a week throughout the year.

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirement for matriculation is presupposed. It is hoped that the work will prove useful to those intending to teach elementary mathematics.

Dr. Hazlett offers in each year one of the following free elective courses, open to graduate students:

Descriptive Astronomy.

Two hours a week throughout the year.

The subject will be treated from an elementary point of view. Such mathematics as seems desirable will be developed in the lectures.

Mathematics Preparatory to Science.

Two hours a week throughout the year.

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom,* Dr. William B. Huff, Dr. David Hilt Tennent, Dr. James Barnes, Dr. Thomas Clachar Brown, Dr. Roger Frederick Brunel, Dr. Alfred Russell Moore, Dr. James Llewellyn Crenshaw, Dr. Benjamin Franklin Wallis, Miss Mary Edith Pinney, Miss Edith Hamilton Lanman, Miss Sue Avis Blake, and Miss Lucia Helen Smith.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones for advanced and special work, a special room for physical chemistry, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purpose of instruction and research, and is increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

* Granted leave of absence for the year 1915-16.

The geological department is equipped with large collections of minerals, rocks, and fossils, a carefully selected library, and laboratories furnished with maps, models, charts, lantern slides, petrologic microscopes, goniometers, and other apparatus necessary for work in undergraduate and graduate courses.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

The physical laboratories are carefully furnished with the apparatus necessary for thorough work.

Graduate work in the natural sciences is highly special, and consists of laboratory work, private reading, and special investigations pursued by the student under the guidance of the instructors.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Associate Professor of Physics, Miss Sue Avis Blake and Miss Lucia Helen Smith, Demonstrators in Physics.

GRADUATE COURSES.

The graduate courses consist of lectures, laboratory work, and original research under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Huff offers in 1916-17 the following graduate course:

Mathematical Theory of Electricity and Magnetism.

Three hours a week throughout the year.

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

Dr. Huff offers in 1918-19 the following graduate courses:

Radioactivity and Discharge of Electricity through Gases.

Three hours a week during the first semester.

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radio-activity a brief account of theories is given.

Electron Theory.

Three hours a week during the second semester.

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

Dr. Barnes offers in 1917-18 the following graduate course:

Thermo-dynamics and Radiation.

Three hours a week throughout the year.

The modern developments of thermo-dynamics and radiation including X-rays and photo-electricity are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Dr. Barnes offers in 1919-20 the following graduate course:

Physical Optics.

Three hours a week throughout the year.

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

In each year Dr. Huff and Dr. Barnes together conduct the journal club, and the laboratory work.

Physical Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory work.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

FREE ELECTIVE COURSES.

Dr. Huff offers in 1915-16 the following free elective course, open to graduate students:

Physical Basis of Music.

One hour a week throughout the year.

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading will be assigned.

Dr. Huff offers in 1916-17 the following free elective course, open to graduate students:

Historical Development of Physics.

One hour a week throughout the year.

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have taken a minor course in science or its equivalent.

POST-MAJOR COURSES.

Dr. Huff offers in 1915-16 the following post-major course, open to graduate students:

Electricity and Magnetism.

Three hours a week throughout the year.

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Dr. Huff offers in 1917-18 the following post-major courses, open to graduate students:

Properties of Matter.

Three hours a week during the first semester.

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound.

Three hours a week during the second semester.

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Dr. Barnes offers in 1916-17 the following post-major course, open to graduate students:

General Optics.

Three hours a week throughout the year.

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Dr. Barnes offers in 1918-19 the following post-major courses, open to graduate students:

Spectroscopy.

Three hours a week during the first semester.

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Astrophysics.

Three hours a week during the second semester.

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Selected chapters in Moulton's *Celestial Mechanics* and many papers from the *Astrophysical Journal* will be read and discussed.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Associate Professor of Chemistry, Dr. James Llewellyn Crenshaw, Associate in Physical Chemistry, and Miss Edith Hamilton Lanman, Demonstrator in Chemistry.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry under the direction of Dr. Brunel, or in physical or inorganic chemistry under the direction of Dr. Crenshaw, but students who elect organic chemistry as the major subject of examination must take physical chemistry as the associated minor, and students who elect physical chemistry as the major subject, must take organic chemistry as the associated minor.

No undergraduates are admitted to graduate courses.

Dr. Brunel conducts in each year the following graduate seminary:

Chemical Seminary, Organic Chemistry. *One hour a week throughout the year.*

This is intended primarily for students who are carrying on research in organic chemistry, and will consist of reports on assigned topics which will usually be related to the research in which the student is engaged.

Dr. Crenshaw conducts in each year the following graduate seminary:

Chemical Seminary, Inorganic Chemistry. *One hour a week throughout the year.*

The course consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Dr. Brunel offers in each year the following graduate course:

Advanced Organic Chemistry.

One hour a week throughout the year.

Lectures, reading, and occasional reports covering the historical developments and present status of subjects of current interest. In the year 1915-16 the topics taken up are Tautomerism; the Mechanism of Chemical Reactions; the Alkaloids.

Students counting this course as the equivalent of a seminary will be required to do enough laboratory work, to make the work of the course occupy sixteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem.

Dr. Crenshaw offers in each year the following graduate course:

Physical Chemistry.

Two hours a week throughout the year.

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest. Students counting this course as the equivalent of a seminary will be required to do enough laboratory work to make the work of the course occupy sixteen hours a week. The laboratory work will consist of physico-chemical research.

Dr. Brunel and Dr. Crenshaw together conduct the journal club.

Chemical Journal Club.

One hour a week throughout the year.

The advanced students, with the instructors, meet to hear reports and discussions on recent scientific articles.

POST-MAJOR COURSES.

Dr. Brunel offers in each year the following post-major course, open to graduate students:

Organic Chemistry.

Two hours a week throughout the year.

The course consists of lectures, assigned reading with occasional reports, and laboratory. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week will be required, three hours' credit being given for the course. The laboratory work will consist of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

Dr. Crenshaw offers in each year the following post-major courses, open to graduate students:

Physical Chemistry.

Two hours a week throughout the year.

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subject. The lectures are intended to give a general outline of the subject, the following topics being discussed: fundamental theories of chemistry; the periodic classification; the corpuscular theory of matter; the laws of gases, liquids and solids; osmotic pressure and dilute solutions; colloidal solutions; thermochemistry; homogeneous and heterogeneous equilibria; chemical kinetics; electrochemistry; actinochemistry, and radiochemistry. The solution of a large number of problems will be required.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

Inorganic Chemistry.

One hour a week throughout the year.

Selected topics in inorganic chemistry are discussed in detail and parallel reading is required. In the laboratory work of four and a half hours a week advanced quantitative analyses are included.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom,* Professor of Geology, Dr. Thomas Clachar Brown, Associate in Geology, and Dr. Benjamin Franklin Wallis, Lecturer in Geology.

The instruction offered in geology includes, in addition to the minor and major courses, three free elective courses of one hour a week, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminars of three hours a week.

Post-major courses in petrography, mineralogy, and paleontology are offered in each year, and are designed to train the student in exact methods for the determination of rock and mineral species and in the principles of invertebrate and vertebrate paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

GRADUATE COURSES.

The graduate courses in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate course in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate courses in stratigraphic geology and paleontology are designed primarily for graduate

* Granted leave of absence for the year 1915-16. The courses offered by Professor Bascom are given by Dr. Benjamin Franklin Wallis in 1915-16.

students wishing to make organic geology a major subject for the degree of Doctor of Philosophy; they may also be taken by graduate students in biology who wish to make paleontology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology and paleontology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialise either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and paleontology, under the direction of Dr. T. C. Brown, but students who make inorganic geology the major subject of examination must take either organic geology, inorganic chemistry, or crystallography as the associated minor and students who elect organic geology as the major subject, must take either inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

Dr. Bascom* conducts in each year the following graduate seminary:

Petrology and Crystallography.

Three hours a week throughout the year.

This seminary will be conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology will be dependent upon the needs of the individual students. In crystallography direction will be given in crystal measurement by the reflecting goniometer, in crystal projection, and crystal drawing. The seminary will involve as much laboratory work as the time of the student permits.

Dr. Thomas Clachar Brown conducts in each year the following graduate seminary:

Seminary in Stratigraphic Geology and Paleontology.

Three hours a week throughout the year.

The nature of the work in this seminary will be determined by the needs of the students. The work will consist of consultations, required readings, formal reports, and laboratory work. Students specializing in stratigraphic geology will devote their attention to the principles of stratigraphy and the stratigraphic succession in North America. For those who specialize in paleontology the work will consist of a detailed study of the modern methods of paleontologic research and of the succession of fossil faunas.

Dr. Bascom* and Dr. Brown together conduct the journal club.

Geological Journal Club.

One hour a week throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

*See footnote, page 139.

POST-MAJOR COURSES.

Dr. Bascom* offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

Petrography.

Three hours a week throughout the year.

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the textures, constitution, origin, geographic distribution, and geologic associations of igneous rocks are treated, practice is given in the quantitative system of classification. Special field problems may be given to the students for independent solution.

Dr. Bascom offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

Determinative Mineralogy.

Two hours a week throughout the year.

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis will be placed on crystal form and practice will be given in the use of the two-circle contact goniometer.

Dr. Thomas Clachar Brown offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

Vertebrate Paleontology.

Two hours a week throughout the year.

A systematic study is made of the vertebrate remains which have been found as fossils. Since the vertebrate organisms represent the highest phase of development to which the animal kingdom has attained, a study of their past history is of prime importance in elucidating some of the most fundamental principles in the evolution of life. This course will be given if elected by a sufficient number of students. It may be counted as a seminary if supplemented by assigned reading and laboratory work.

Dr. Thomas Clachar Brown offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

Invertebrate Paleontology.

Three hours a week throughout the year.

The course presupposes a knowledge of historical geology. During the first semester a systematic study is made of the various classes of invertebrate animals which are found in a fossil state. Special attention is given to the relations of these classes to each other, and any bearing that this may have on the theory of evolution is pointed out. Those classes which are of practical value to the stratigraphic geologist in determining the geologic age of formations are dwelt upon at considerable length. Excursions are made to neighboring fossiliferous localities to collect fossils and to observe their occurrence in the rocks. The student has access, not only to the representative paleontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutions in Philadelphia.

The work of the second semester is designed to make the students familiar with methods of applying a knowledge of invertebrate paleontology to the problems of geology. It will treat in detail each of the successive faunas or assemblages of animal life which have

* See footnote, page 139.

developed since the opening of the Cambrian period. An attempt will be made to show that each fauna was a direct response to the environment which surrounded it, and the probable geologic, physiographic, and climatic factors of this environment will be discussed.

This course may be counted as a seminary if supplemented by assigned reading and laboratory work.

FREE ELECTIVE COURSES.

Dr. Bascom offers in 1916-17 and again in 1918-19 the following free elective course, open to graduate students:

Cosmogony.

One hour a week throughout the year.

The work of the course will be conducted by means of lectures, required reading, and class-room discussion. The lectures will treat of the origin of the earth, the growth of the continents and the development of landscape, and will be illustrated by lantern slides. Reading will be assigned to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geologic research. It will be given only if elected by a sufficient number of students.

Dr. Thomas Clachar Brown offers in 1915-16 and again in 1917-18 the following free elective course, open to graduate students:

Evolution of the Vertebrates.

One hour a week throughout the year.

This course consists of lectures illustrated by charts, diagrams, lantern slides and photographs. It gives a comprehensive outline of the evolution of the vertebrates from the earliest appearance of representatives of this group to the present time. The vertebrate phylum not only contains the highest types of animal life but is the only phylum which has gone through the whole of its evolution since the beginning of geological history as recorded in the fossil-bearing rocks. The course will consider first those primitive types which perhaps represent ancestral vertebrate forms and then will consider in the order of their appearance the five great classes of Fishes, Batrachians, Reptiles, Birds, and Mammals. The rise and development of the mammals will be followed in considerable detail, and an attempt will be made to show the relation between the types which were developed and their environment including the geographic, physiographic, and climatic factors as well as the surrounding animal and plant life.

Dr. Thomas Clachar Brown offers in 1916-17 and again in 1918-19 the following free elective course, open to graduate students:

Meteorology.

One hour a week throughout the year.

This course will consist of a series of lectures, supplemented by required reading, on the general field of meteorology and the phenomena with which this science deals. The discussions will deal with the atmosphere, atmospheric temperatures and pressures; winds, dew, frost, clouds, rain, and snow; cyclonic storms, local storms, causes and distribution of rainfall; weather maps and weather predictions.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Arthur Russell Moore, Associate Professor of Physiology, and Miss Mary Edith Pinney, Demonstrator in Biology.

GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in morphology under the guidance of Dr. Tennent, or in biochemistry or physiology under the guidance of Dr. Moore. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Tennent offers in each year the following graduate seminary:

Seminary in Zoölogy.

Three hours a week throughout the year.

In 1915-16 Embryology of Invertebrates is the subject of the seminary. The work includes a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

In 1916-17 Genetics will be the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

In 1917-18 Cytology will be the subject of the seminary. The work will deal with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms.

Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

Dr. Moore offers in each year the following graduate seminary:

Seminary in Physiology and Biochemistry.

Two hours a week throughout the year.

In 1915-16 selected problems dealing with the gastro-intestinal tract are considered.

The work consists of reports by the students, and discussion of recent problems in the subject.

In 1916-17 Problems in the Chemistry of the Enzymes will be treated by similar methods.

In 1917-18 Internal Secretions will be the subject of the seminary.

The order of subjects may be varied to meet the needs of the students.

Dr. Tennent and Dr. Moore together conduct the journal club and the laboratory work.

Biological Journal Club.

One hour a week throughout the year.

The advanced students and the instructors meet for the discussion of topics of current biological literature.

Laboratory Work.

There is no regular course of laboratory instruction for graduates. Each student must devote a considerable portion of her time to such work and will be given a problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

POST-MAJOR COURSES.

Dr. Tennent offers in 1915-16 and again in 1917-18 the following post-major courses, open to graduate students:

Protoplasm, the Cell, and Cytological Technique.

One hour a week during the first semester.

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation, and fertilisation. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory work as a two hour course.

Experimental Morphology.

One hour a week during the second semester.

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in Protozoa and Metazoa, behaviour of lower organisms, experiments on the fertilised and unfertilised egg. Mendel's experiments in hybridisation, and De Vries Oenothera mutants. This course is to be taken with four hours laboratory work as a two hour course.

Dr. Tennent offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

Embryology of Vertebrates.

One hour a week throughout the year.

This course consists of lectures, assigned reading and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick, and Pig. At least four hours of laboratory work will be required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Dr. Moore offers in each year the following post-major course, open to graduate students:

Biochemistry.

Three hours a week throughout the year.

This course consists of lectures, assigned reading and laboratory work. At least four hours a week of laboratory work are required. The laboratory work includes a study of the properties and reactions of proteins; fats and carbohydrates; of the methods of preparation and modes of action of enzymes, of the physical and chemical properties of milk, blood, and urine; and the properties of the colloids. A preliminary training in chemistry at least equivalent to that obtained in the minor course is required.

Dr. Moore offers in 1915-16 and again in 1917-18 the following post-major course, open to graduate students:

Recent Advances in Biochemistry.

One hour a week throughout the year.

This course consists of lectures and reports on assigned reading dealing with the biochemistry of enzymes, secretion, fertilization, and development. The laboratory work and required reading together amount to one and a half hours a week.

Dr. Moore offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

Comparative Physiology of the Central Nervous System.

One hour a week throughout the year.

The function of the nervous system in invertebrates with reference to instincts and tropisms.

In addition to the lectures demonstration experiments are given, and from time to time the students are asked to report on recent articles. The laboratory work and reading together amount to one and a half hours a week.

Dr. Tennent and Dr. Moore conduct laboratory work in connection with the above courses:

Laboratory Work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in its adaptation to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

FREE ELECTIVE COURSE.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This is a historical course dealing with the development of the theories of biology. Special attention is given to theories of evolution and heredity. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level, in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis courts, and three large athletic fields.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630, and forms three sides of a

closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three story stack with accommodation for eighty-eight thousand volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side are the Art and Archæological seminaries, containing collections of photographs, vases, and coins. The main building contains offices for the librarians and cataloguers, a professor's office, a new book room, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain eleven seminary rooms and twenty-eight professors' offices. The books needed for graduate study and research are kept in the seminary rooms where the graduate lectures are held. The seminaries are arranged as follows: Greek, Latin, English, German, French, Italian and Spanish, Semitic Languages and Philosophy in the north wing; Mathematics, History, Economics and Psychology, in the south wing. The total book capacity of the library including the seminary libraries and the books for general study which are kept in the stack, is 168,499 volumes. The building is absolutely fire-proof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, four interview rooms, and a library for the use of the Christian Association.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains an interview room, two professors' offices, a room for the Monograph Committee of the Faculty, and the Alumnæ Asso-

ciation, and fire-proof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 a. m. till 10 p. m. and on Sundays from 2 p. m. till 10 p. m. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the Trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnae and students.

Around Taylor Hall the Trustees have erected halls of residence for the accommodation of students. Plans, drawings, and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in a separate pamphlet to be obtained from the Secretary of the College.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the alumnae and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 a. m. till 10 p. m., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director, and an adjoining room for the examination and record of the physical development of the students, a waiting room, and cloak rooms. In the basement are bathrooms for use after exercise and a swimming-tank, sixty-nine feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnae, students, and friends of the college,

and well supplied with apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

On the grounds, separated from other buildings, is the Class of 1905 infirmary opened in October, 1913, with accommodation for patients and nurses, and its own diet kitchens and bath-rooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

The Phebe Anna Thorne Model School is situated on the campus and has its own out-of-door class rooms and athletic ground.

A central power-house, which was erected in 1903 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the piping system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees during all the twenty-four hours of the day, in all the bath-rooms and stationary washstands and tea pantries.

The Bell Telephone Company, a branch of the American Telephone and Telegraph Company, maintains telephone pay stations in each of the halls of residence, in the library, and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A. M. to 12 P. M.), an Adams Express office, a United States money-order office and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college at a cost of twenty-five dollars a month.

LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF
DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

- BARTLETT, HELEN. The Metrical Division of the Paris Psalter. 49+[1] p., O. Baltimore, The Friedenwald Company. 1896.
- BLISS, ELEANORA FRANCES AND ANNA I. JONAS. Relation of the Wissahickon Mica-gneiss to the Shenandoah Limestone and to the Octoraro Mica-schist, of the Doe Run-Avondale District, Coatesville, Quadrangle, Pennsylvania. 64 p., O. February, 1914.
- BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-two Species of the Membracidæ, Jassidæ, Cercopidæ and Fulgoridæ. p. 470-512, O. 9 pl. Baltimore, 1907.
Reprint from *Journal of Experimental Zoology*, vol. 4, No. 4.
- BOURLAND, CAROLINE BROWN. Boccaccio and the Decameron in Castilian and Catalan Literature. 233 p., O. 5 pl. New York, Paris, Macon, Protat Frères, 1905.
Reprint from *Revue Hispanique*, t. xii.
- BOWERMAN, HELEN COX. Roman Sacrificial Altars. An archæological Study of Monuments in Rome. 101 p., O. 11 pl. Lancaster, Pa. The New Era Printing Co., 1913.
- BREED, MARY BIDWELL. The Polybasic Acids of Mesitylene. 31+[1] p., O. Baltimore, The Friedenwald Company. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 1.
- BUNTING, MARTHA. The Origin of the Sex Cells in Hydractinia and Podocoryne and the Development of Hydractinia. 34 p., O. Boston, Ginn and Company. 1894.
Revised reprint from *Journal of Morphology*, vol. 9, No. 2.
- BYRNES, ESTHER FUSSELL. The Maturation and Fertilisation of the Egg of *Limax Agrestis* (Linné). p. 201-236+[1] p., O. Boston, Ginn and Company, publishers. The Athenæum Press. 1899.
Reprint from *Journal of Morphology*, vol. 16, No. 1.
- CLAFLIN, EDITH FRANCES. The Syntax of the Boeotian Dialect Inscriptions. 93 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press, 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 3.

COULTER, CORNELIA CATLIN. *Retractatio in the Ambrosian and Palatine Recensions of Plautus. A Study of the Persa, Poenulus, Pseudolus, Stichus, and Trinummus.* 118 p., O. Bryn Mawr, Pennsylvania, 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. x.

CUMMINGS, LOUISE DUFFIELD. *On a method of Comparison for Triple-Systems*, p. 311-327, Qto.

Reprint from *Transactions of the American Mathematical Society*, vol. 15, No. 3. July, 1914.

DUCKETT, ELEANOR SHIPLEY. *Studies in Ennius.* 78 p., O. Bryn Mawr, Pennsylvania. 1915.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xviii.

DUDLEY, LOUISE. *The Egyptian Elements in the Legend of the Body and Soul.* 179+[xi] p., O. Baltimore, printed by J. H. Furst Co. 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. viii.

ELLIS, ELLEN DEBORAH. *Introduction to the History of Sugar as a Commodity.* 117 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. iv.

EMERY,* ANNIE CROSBY. *The Historical Present in Early Latin.* 120+[3] p., O. Ellsworth, Maine, Hancock Publishing Company. 1897.

EVERS, HELEN MARGARET. *Critical edition of the discours de la vie de Pierre de Ronsard, par Claude Binet.* iv+190 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ii.

FAHNESTOCK, EDITH. *A Study of the Sources and Composition of the Old French Lai D'Haveloc.* 138 p., O. The Marion Press, Jamaica, Queensborough, New York. 1915.

FOSTER, FRANCES ALLEN. *A study of the Middle-English poem known as The Northern Passion.* vi+101 p., O. Richard Clay & Sons, Ltd. London and Bungay. 1914.

Reprint from *The Northern Passion*, vol. II. *Early English Text Society, Original Series*, 147, 1914 (for 1913).

FRANKLIN, SUSAN BRALEY. *Traces of Epic Influence in the Tragedies of Æschylus.* 81 p., O. Baltimore, The Friedenwald Company, 1895.

GENTRY, RUTH. *On the Forms of Plane Quartic Curves.* [7]+73 p., O. 13 pl. New York, Robert Drummond. 1896.

* Mrs. Francis Greenleaf Allinson.

GIBBONS, VERNETTE LOIS. The Potentials of Silver in Non-aqueous Solutions of Silver Nitrate. 32 p., O. Eschenbach Printing Co., Easton, Pa. 1914.

GRAHAM, MINNIE ALMIRA. A Study of the Change from Violet to Green in Solutions of Chromium Sulphate. 50 p., O. pl. 3. Easton, Pennsylvania, printed by the Eschenbach Printing Company, 1912.

HALL, EDITH HAYWARD.* The Decorative Art of Crete in the Bronze Age. 47 p. 3 pl., Qto. Philadelphia, The John C. Winston Co. 1907.
Reprint in part from *Transactions of the Department of Archaeology of the University of Pennsylvania*, vol. 2, part 1. 1906.

HARMON, ESTHER. Johanna Schopenhauer. 115 p., O. Munich, Printed by Kastner and Callwey. 1914.

HARPER, CARRIE ANNA. The Sources of the British Chronicle History in Spenser's Faerie Queene. 190 p., O. Philadelphia, The John C. Winston Co. 1910.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vii.

HUSSEY, MARY INDA. Some Sumerian-Babylonian Hymns of the Berlin Collection. p. 142-176, O.
Reprint from *American Journal of Semitic Languages*, vol. 23, No. 2. January, 1907.

JONAS, ANNA I. AND ELEANORA F. BLISS. Relation of the Wissahickon Mica-gneiss to the Shenandoah Limestone and to the Octoraro Mica-schist, of the Doe Run-Avondale District, Coatesville, Quadrangle. Pennsylvania. 64 p., O. February, 1914.

KING, HELEN DEAN. The Maturation and Fertilisation of the Egg of *Bufo Lentiginosus*. p. 293-350, O. Boston, Ginn and Company, publishers. The Athenæum Press. 1901.
Reprint from *Journal of Morphology*, vol. 17, No. 2.

LAIRD, ELIZABETH REBECCA. The Absorption Spectrum of Chlorine. p. 85-115, O.
Reprint from *Astrophysical Journal*, vol. 14, No. 2. September, 1901.

LEFTWICH,† FLORENCE. *La Vie Seint Edmund le Rei*. An Anglo-Norman Poem of the Twelfth Century by Denis Piramus. p. 1-174, O. Philadelphia, The John C. Winston Co. 1906.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. v.

LORD, ELEANOR LOUISA. The American Colonies as a Source of Naval Supplies for Great Britain. Published as Industrial experiments in the British colonies of North America. 10+154 p., O.
Johns Hopkins University Studies, volume, 17. Baltimore, 1898.

LOWATER, FRANCES. The Spectra of Sulphur Dioxide. p. 324-342, O.
Reprint from the *Astrophysical Journal*, vol. 23, No. 4. May, 1906.

* Mrs. Thomas Dohan.

† Mrs. S. Prioleau Ravenel.

- LYON,* DOROTHY WILBERFORCE. *Christe qui lux es et dies* and its German, Dutch, and English Translations. p. 70-85 and p. 152-192, O. *American Journal of Philology*, vol. 19, 1898.
- MACDONALD, MARGARET BAXTER. A New Class of Disulphones. p. 1-21, O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.
- MADDISON, ISABEL. On Singular Solutions of Differential Equations of the First Order in Two Variables and the Geometrical Properties of Certain Invariants and Covariants of their Complete Primitives. p. 311-374, O.
Reprint from *Quarterly Journal of Mathematics*, vol. 28. 1896.
- MARTIN, EMILIE NORTON. On the Imprimitive Substitution Groups of Degree Fifteen and the Primitive Substitution Groups of Degree Eighteen. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *American Journal of Mathematics*, vol. 23, No. 3.
- MORRIS, MARGARET SHOVE. Colonial Trade of Maryland. p. 1-157, O. Johns Hopkins Press, Baltimore. 1914.
- NEILSON, NELLIE. Economic Conditions on the Manors of Ramsay Abbey. 124 p., O. Philadelphia, printed by the press of Sherman and Company. 1899.
- NICHOLS, HELEN HAWLEY. The composition of the Elihu Speeches, Job Chaps. XXXII-XXXVII. 95 p., O. 1911.
Reprint from *American Journal of Semitic Languages and Literature*, vol. 28, No. 2. January, 1911.
- OGDEN, ELLEN SETON. The origin of the Gunu-Signs in Babylonian. 144 p., O. Leipzig, printed by W. Drugulin. 1911.
- PARRIS,† MARION. Total Utility and the Economic Judgment Compared with their Ethical Counterparts. 103 p., O. Philadelphia, The John C. Winston Co. 1909.
- PEEBLES, FLORENCE. Experiments in Regeneration and in Grafting of Hydrozoa. 53+[1] p., O. Leipzig, Wilhelm Engelmann. 1900.
- PEEBLES, ROSE JEFFRIES. The Legend of Longinus in Ecclesiastical Tradition and in English Literature and its connection with the Grail. 221 p., O. Baltimore, printed by J. H. Furst Co. 1911.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ix.
- PERKINS,‡ ELIZABETH MARY. The Expression of Customary Action or State in Early Latin. 77 p., O. Washington, D. C. Printed by Judd and Detweiler. 1904.

* Mrs. Emmons Bryant.

† Mrs. William Roy Smith.

‡ Mrs. Eric C. W. S. Lyders.

- RAGSDALE, VIRGINIA. On the Arrangement of the Real Branches of Plane Algebraic Curves. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1906.
Reprint from *American Journal of Mathematics*, vol. 28, No. 4.
- RAND, GERTRUDE. The factors that influence the sensitivity of the Retina to color: A quantitative study and methods of standardizing. 166+xi p., O. Princeton, N. J. 1913.
Reprint from *The Psychological Monographs, Princeton, N. J.*
- REIMER, MARIE. The addition Reactions of Sulphinic Acids. 31 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1902.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.
- REYNOLDS, GRACE POTTER.* The Reaction between Organic Magnesium Compounds and Unsaturated Compounds containing Alkoyxl Groups. 29 p., O. Easton, Pa., Eschenbach Printing Co. 1910.
- RITCHIE,† MARY HELEN. A Study of Conditional and Temporal Clauses in Pliny the Younger. 57+[1] p., O. Philadelphia, Avil Printing Company. 1902.
- ROE,‡ ADAM BLANCHE. Anna Owena Hoyers, a poetess of the seventeenth century. 128 p., O. Bryn Mawr, Pennsylvania. 1915.
Reprint from the *Bryn Mawr College Monographs, Monograph Series*, vol. xix.
- SANDISON, HELEN ESTABROOK. The "Chanson d'Aventure" in Middle English. 152 p., O. Bryn Mawr College, Bryn Mawr, Pennsylvania.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xii.
- SCHAEFFER,§ HELEN ELIZABETH. A Study of the Electric Spark in a Magnetic Field. p. 121-149, 1 pl. O. 1908.
Reprint from *Astrophysical Journal*, vol. 28, 1908.
- SCHENCK, EUNICE MORGAN. La part de Charles Nodier dans la formation des idées romantiques de Victor Hugo jusqu'a la *Préface de Cromwell*. 144 p., O. Bryn Mawr, Pennsylvania. 1914.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvi.
- SCHMIDT, GERTRUD CHARLOTTE. Das Deminutivum im Mittelnieder-deutschen und Mittelniederländischen. 157+[ix] p., O. Borna-Leipzig. Printed by Robert Noske, 1912.
- SHEARER, EDNA ASTON. Hume's Place in Ethics. 86 p., O. Bryn Mawr, Pennsylvania. 1915.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvii.
- SPEALDING, MARY CAROLINE. Middle English Charters of Christ. cxxiv+100 p., O. Bryn Mawr, Pennsylvania. 1914.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xv.

* Mrs. Winthrop Merton Rice.

† Died, 1905.

‡ Mrs. Herman Lommel.

§ Mrs. William Bashford Huff. Died, 1913.

- STEVENS,* NETTIE MARIA. Further Studies on the Ciliate Infusoria, Licnophora and Boveria. 45 p. 6 pl., O. 1903.
Reprint from *Archiv für Protistenkunde*, Bd. iii.
- STITES, SARA HENRY. Economics of the Iroquois. 159+vii p., O. Lancaster, Pa., The New Era Printing Co. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 3.
- SWEET, MARGUERITE. The Third Class of Weak Verbs in Primitive Teutonic with special reference to its Development in Anglo-Saxon. 49+[1] p., O. Baltimore, The Friedenwald Company. 1893.
- SWINDLER, MARY HAMILTON. Cretan Elements in the Cult and Ritual of Apollo. 77 p., O. Bryn Mawr, Pennsylvania. 1913.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xiii.
- TAYLOR, LILY ROSS. The Cults of Ostia. 100 p., O. Bryn Mawr, Pennsylvania. 1913.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xi.
- TRAVER, HOPE. The Four Daughters of God. A Study of the Versions of this Allegory, with especial reference to those in Latin, French, and English. 171 p., O. Philadelphia, The John C. Winston Co. 1907.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vi.
- URDAHL,† MARGERETHE. On certain u-Diphthongs in the Heliand. 40 p., O. Göttingen, printed in the University Press by E. A. Huth. 1904.
- WARREN,‡ WINIFRED. A Study of Conjunctive Temporal Clauses in Thukydides. 76+[3] p., O. Berlin, printed by Unger Brothers, 1897.
- WHITE, FLORENCE DONNELL. Voltaire's Essay on Epic Poetry. A Study and an Edition. 167 p., O. Brandow Printing Co. Albany, N. Y., 1915.
- WILLIS, GWENDOLEN BROWN. The Ancient Gods in Greek Romance. 54 p., O. Chicago, University of Chicago Press, 1905.

* Died, 1912.

† Mrs. Lewis Albert Anderson.

‡ Mrs. George Arthur Wilson.

SCHEDULE OF LECTURES

HOUR	COURSE	MONDAY	TUESDAY
9	MATRICULATION	Greek (Kirk) German (Jeffers) French (Thayer)	Greek (Kirk) German (Jeffers) French (Thayer)
	GENERAL	Philosophy, Div. A (Theodore de Laguna) Div. B (Grace de Laguna) Div. C (Avey)	Philosophy, Div. A (Theodore de Laguna) Div. B (Grace de Laguna) Div. C (Avey)
	MINOR	Greek, Plato (Sanders) French Reading Economics, Introduction to Economics, Div. A (Marion P. Smith) Div. B () Ancient Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel)	Greek, Homer (Wright) French 19th Century Literature (Scott) Economics, Introduction to Economics, Div. A (Marion P. Smith) Div. B () Ancient Painting (Swindler) Mathematics, Trigonometry (Scott) Chemistry (Brunel)
	MAJOR	German Literature (Jessen) Fifth Century Athens (Ferguson) Psychology, Social Psychology (Leuba)	German, Faust (Jessen) Historians of Rome (Ferguson) Psychology, Social Psychology (Leuba)
	ELECTIVE	Biology, Theoretical (Tennent)	Historical Development of Physics ()
	POST-MAJOR	Inorganic Chemistry (Crenshaw)	
	GRADUATE	Physics (Huff) Geology (T. C. Brown)	Geology (T. C. Brown)
10	GENERAL	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
	MINOR	English, Middle English Romances (C. F. Brown) English, 19th Century Critics (Chew) German Grammar Spanish (DeHaan) History of Europe, Div. A (Gray) Div. B (Leake) Biology (Tennent)	English, Middle English Romances (Brown) English, 19th Century Critics (Chew) German Literature (Jessen) Spanish (DeHaan) History of Europe, Div. A (Gray) Div. B (Leake) Biology (Tennent)
	MAJOR	Philosophy, Kant to Spencer (Avey) 17th and 18th Cent. Painting (Parkhurst) Geology (T. C. Brown)	Philosophy, Kant to Spencer (Avey) Renaissance Sculpture (G. G. King) Geology (T. C. Brown)
	ELECTIVE	Private Law (Fenwick)	German Advanced Composition
	POST-MAJOR	Physics (Barnes) Chemistry (Brunel)	Astrophysics (Barnes) Physical Chemistry (Crenshaw)
	GRADUATE		Mental Tests (Rand), 10-12
11	GENERAL	English Composition, 1st year (Savage)	English Composition, 1st year (Savage)
	MINOR	Ancient History, Oriental (Barton) Philosophy, History of (T. de Laguna) Greek Sculpture (Carpenter)	Ancient History, Classical (Ferguson) Philosophy, History of (T. de Laguna) Hellenistic Towns (Carpenter)
	MAJOR	Latin, Tacitus (Wheeler) Italian Spanish Reading (DeHaan) History, U. S. from 1865 (W. R. Smith) History, French Revolution (Leake) Physics (Barnes) Chemistry (Crenshaw)	Latin Literature (Frank) Italian Spanish Literature (DeHaan) History, U. S. from 1865 (W. R. Smith) History, French Revolution (Leake) Physics (Barnes) Chemistry (Crenshaw)
	ELECTIVE		Descriptive Astronomy (Hazlett)
	POST-MAJOR	Minerology (Bascom)	Invertebrate Paleontology (T. C. Brown)
	GRADUATE	Systematic Psychology (Ferree)	
12	MINOR	Latin, Cicero, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler) Italian Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff) Geology (Bascom)	Latin, Horace, Div. A (Frank) Div. B (Swindler) Div. C (Ferguson) Italian Psychology, Experimental (Ferree and Rand) Gothic Architecture (G. G. King) Physics (Huff) Geology (Bascom)
	MAJOR	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature Politics, Present Problems (Fenwick) Mathematics (Hazlett) Biology	Greek Literature (Wright) English Drama (Chew) French Romantic Drama Politics, Present Problems (Fenwick) Mathematics (Hazlett) Biology
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

RST SEMESTER, 1916-17.

WEDNESDAY	THURSDAY	FRIDAY
<p>(Kirk) an (Jeffers) h (Thayer)</p> <p>ophy, Div. A (Theodore de Laguna) Div. B (Grace de Laguna) Div. C (Avey)</p> <p>, Plato (Sanders) h Reading mics, Introduction to Div. A (Marion P. Smith) Div. B</p> <p>st Architecture (Carpenter) matics, Conics (Scott) stry (Brunel)</p> <p>in Composition and Reading Century Athens (Ferguson) ology, Social Psychology (Leuba)</p> <p>gony (Bascom)</p> <p>y, Biochemistry</p> <p>s (Huff)</p>	<p>Greek (Kirk) German (Jeffers) French (Thayer)</p> <p>Philosophy, Div. A (Theodore de Laguna) Div. B (Grace de Laguna) Div. C (Avey)</p> <p>Greek, Homer (Wright) French, 19th Century Literature (Schenck) Economics, Introduction to Div. A (Marion P. Smith) Div. B ()</p> <p>Ancient Painting (Swindler) Mathematics, Trigonometry (Scott) Chemistry, Demonstration (Brunel)</p> <p>German, Faust (Jessen) Roman Life (Frank) Psychology, Social Psychology (Leuba)</p> <p>Physics Journal Club (Huff and Barnes) Geology (T. C. Brown) Biology Journal Club (Tennent)</p>	<p>Greek (Kirk) German (Jeffers) French (Thayer)</p> <p>Philosophy, Div. A (Theodore de Laguna) Div. B (Grace de Laguna) Div. C (Avey)</p> <p>Greek, Sophocles (Sanders) French Composition Economics, Introduction to Div. A (Marion P. Smith) Div. B ()</p> <p>Ancient Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel)</p> <p>German Literature (Jessen) Fifth Century Athens (Ferguson) Psychology, Social Psychology (Leuba)</p> <p>Old Testament Canon (Barton) Meteorology (T. C. Brown)</p> <p>Physics (Huff)</p>
<p>h Literature, 2nd year (Donnelly)</p> <p>h, Middle English Romances (C. F. Brown)</p> <p>h, 19th Century Critics (Chew)</p> <p>h Reading h (De Haan)</p> <p>ry of Europe, Div. A. (Gray) Div. B (Leake)</p> <p>y (Tennent)</p> <p>ophy, Kant to Spencer (Avey) h and 18th Cent. Painting (Parkhurst) y (T. C. Brown)</p> <p>c Mathematics (Scott)</p> <p>y (Barnes) ry (Brunel)</p>	<p>English Literature, 2nd year (Donnelly)</p> <p>English, Middle English Romances (C. F. Brown)</p> <p>English, 19th Century Critics (Chew)</p> <p>German Literature (Jessen) Spanish (DeHaan)</p> <p>History of Europe, Div. A (Gray) Div. B (Leake)</p> <p>Biology, Demonstration (Tennent)</p> <p>Philosophy, Kant to Spencer (Avey) Renaissance Sculpture (G. G. King) Geology Laboratory (T. C. Brown)</p> <p>Astrophysics (Barnes) Physical Chemistry (Crenshaw)</p>	<p>English Literature, 2nd year (Donnelly)</p> <p>English, Middle English Romances (C. F. Brown)</p> <p>English, 19th Century Critics (Chew)</p> <p>German Reading Spanish (DeHaan)</p> <p>History of Europe, Div. A (Gray) Div. B (Leake)</p> <p>Biology (Tennent)</p> <p>Philosophy, Kant to Spencer (Avey) 17th and 18th Cent. Painting (Parkhurst) Geology Laboratory (T. C. Brown)</p> <p>Physics (Barnes) Chemistry (Brunel)</p>
<p>g Composition, 1st year (Savage)</p> <p>et History, Oriental (Barton)</p> <p>h, History of (T. de Laguna)</p> <p>sculpture (Carpenter)</p> <p>ti Tacitus (Wheeler)</p> <p>li</p> <p>ti Grammar (DeHaan)</p> <p>h, U.S. from 1865 (W. R. Smith)</p> <p>h, French Revolution (Leake)</p> <p>y (Barnes)</p> <p>entry (Crenshaw)</p> <p>cial and Census Problems</p> <p>ology (Bascom)</p> <p>atic Psychology (Ferree)</p>	<p>English Composition, 1st year (Savage)</p> <p>Ancient History, Classical (Ferguson) Philosophy, History of (T. de Laguna) Hellenistic Towns (Carpenter)</p> <p>Latin Literature (Frank) Italian Spanish Literature (De Haan)</p> <p>History, U. S. from 1865 (W. R. Smith) History, French Revolution (Leake)</p> <p>Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)</p> <p>Descriptive Astronomy (Hazlett)</p> <p>Invertebrate Palæontology (T. C. Brown)</p>	<p>English Composition, 1st year (Savage)</p> <p>Ancient History, Oriental (Barton) Philosophy, History of (T. de Laguna) Greek Sculpture (Carpenter)</p> <p>Latin, Tacitus (Wheeler) Italian Spanish Reading (DeHaan)</p> <p>History, U. S. from 1865 (W. R. Smith) History, French Revolution (Leake)</p> <p>Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)</p> <p>Mineralogy (Bascom)</p> <p>Systematic Psychology (Ferree)</p>
<p>ti Cicero, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler)</p> <p>logy, Experimental (Ferree and Rand) h Renaissance Painting (G. G. King) y (Huff) h (Bascom)</p> <p>ee Aristophanes (Sanders) el Drama (Chew) m-Style and Composition it Present Problems (Fenwick) sthetics (Hazlett)</p> <p>Chemistry (Crenshaw)</p>	<p>Latin, Horace, Div. A (Frank) Div. B (Swindler) Div. C (Ferguson)</p> <p>Italian Psychology, Experimental (Ferree and Rand) Gothic Architecture (G. G. King) Physics, Demonstration (Huff) Geology, Demonstration (Bascom)</p> <p>Greek Literature (Wright) English Drama (Chew) French Romantic Drama Politics, Present Problems (Fenwick) Mathematics (Hazlett) Biology</p> <p>Chemistry Journal Club (Brunel, Crenshaw)</p>	<p>Latin, Cicero, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler)</p> <p>Italian Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff) Geology (Bascom)</p> <p>Greek, Demosthenes (Sanders) English Drama (Chew) French Literature Politics, Present Problems (Fenwick) Mathematics (Hazlett) Biology</p> <p>Physical Chemistry (Crenshaw)</p>

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor, Field Work (Bascom) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Minor (Tennent)
	ELECTIVE	Technique of the Drama (Savage) New Testament Biography (Barton)	Technique of the Drama (Savage) New Testament Biography (Barton)
	POST-MAJOR	Greek Attic Orators (Sanders)	Greek, Attic Orators (Sanders)
	GRADUATE	French, Rabelais (Beck) Economics and Politics, American Social Problems (Marion P. Smith) Mathematics (Scott) Beowulf (C. F. Brown), 2.30-4.30 Social Treatment (Kellogg)	French, Rabelais (Beck) Economics and Politics, American Social Problems (Marion P. Smith) Mathematics (Scott) Seminary in English Literature (C. F. Brown), 2-4 Social Treatment (Kellogg)
3	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor, Field Work (Bascom) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Minor (Tennent)
	ELECTIVE	Elocution, Reading of Shakespeare (A. S. King) Education (Kellogg)	Elocution, Reading of Shakespeare (A. S. King) Education (Kellogg) Advanced Experimental Psychology
	POST-MAJOR	Latin, Vergil (Frank) History, American Constitutional (William R. Smith) Social Statistics (Kingsbury)	Latin, Vergil (Frank) History, American Constitutional (William R. Smith) Social Statistics (Kingsbury) Mathematics (Hazlett)
	GRADUATE	Teutonic Seminary, 3-5 Foundations of French Grammar (Beck) Elementary Semitic Languages (Barton) Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Modern Painting (G. G. King), 2-4	Greek Seminary, Greek Historians, 3-4.30 Old Norse Spanish Philology (DeHaan) Egyptian (Barton)
4	GRADUATE	Latin Seminary, Epigraphy (Frank), 4-6 Seminary in Mediæval French Literature (Beck), 4.30-6 Hebrew Literature (Barton) History Journal Club (Gray, William R. Smith and Leake), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick, and Kingsbury), 4-6. Alternate Weeks Seminary in Social Economy (Kingsbury), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Mathematics (Hazlett), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Kingsbury), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and Kingsbury), 4.30-6. Alternate Weeks Middle English Seminary (C. F. Brown), 4.30-6 German Journal Club (Jessen and Kingsbury), 4.30-6. Alternate Weeks Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Social Theory (Kellogg), 4-6 Seminary in Logic (Theodore de la Motte), 4-6 Seminary in Principles and Methods of Education (Castro), 4.30-6 Mathematical Journal Club (Hazlett), Alternate Weeks
5	GRADUATE	Introduction to Teutonic Philology Spanish Seminary (De Haan)	

FIRST SEMESTER, 1916-17 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>Painting (G. G. King)</p> <p>Sophocles (Sanders) Composition (Frank) Reading (Jessen) Lyric Poetry Economics and Politics, American Social Economics (P. Smith) Embryology (Tennent)</p> <p>Historical Grammar (C. F. Brown), Philological Seminary (Carpenter), 2-4 Philology (Beck), 2-4 Treatment (Kellogg) Seminary in Social Psychology (Leuba), 2-4</p>	<p>Physics, Major (Barnes) Chemistry, Major (Crenshaw) Geology, Major (T. C. Brown) Biology, Major</p> <p>Modern Painting (G. G. King)</p> <p>Greek, Melic Poets (Wright)</p> <p>German Literature (Jessen) French, Lyric Poetry Economics and Politics, International Law (Fenwick)</p> <p>Seminary in French, Literature (Schenck), 2.30-4.30 Seminary in European History (Gray) Aegean Archaeology (Swindler)</p>	<p>Physics, Major (Barnes) Chemistry, Major (Crenshaw) Geology, Major (T. C. Brown) Biology, Major</p> <p>Modern Painting (G. G. King)</p> <p>German Literature (Jessen) French, Lyric Poetry Economics and Politics, International Law (Fenwick)</p> <p>Greek Seminary, Aristophanes (Wright), 2-4 Advanced French Philology (Beck)</p>
<p>Oration (Crandall)</p> <p>Greek, Melic Poets (Wright) Vergil (Frank) History, England under the Tudors (Gray) Economics (Hazlett) Nervous System</p> <p>Metrics (Jessen)</p> <p>Testament Greek Seminary (Barton) Seminary in Politics (Fenwick)</p>	<p>Physics, Major (Barnes) Chemistry, Major (Crenshaw) Geology, Major (T. C. Brown) Biology, Major</p> <p>Intermediate Composition (Crandall)</p> <p>Roman Elegy (Wheeler)</p> <p>History, England under the Tudors (Gray)</p> <p>Greek Seminary, Greek Historians (Sanders), 3-4.30 Comp. Teutonic Grammar Hebrew (Barton) Philosophical Journal Club ((Theodore de Laguna, Grace de Laguna, and Avey), 3-4.30</p>	<p>Physics, Major (Barnes) Chemistry, Major (Crenshaw) Geology, Major (T. C. Brown) Biology, Major</p> <p>Roman Elegy (Wheeler)</p> <p>History, England under the Tudors (Gray)</p> <p>English Journal Club (C. F. Brown, Don- nelly, Chew, Savage), 3-4.30. Alternate Weeks Old Norse Romance Languages Journal Club (De Haan, Beck, and Schenck), 3-4.30. Alternate Weeks Archæological Journal Club (Carpenter, Swindler), 3-4.30. Alternate Weeks</p>
<p>Seminary, Latin Lyric (Wheeler), 4-6 High German Seminary in Mediæval French Literature (Carpenter), 4.30-6 Seminary, 4-6 Seminary in American History (William R. Gray), 4-6 Seminary in Social Economy (Kingsbury), 4-6 Seminary in Petrology (Bascom), 4.30-6 Seminary in Zoology (Tennent), 4.30-6</p>	<p>Middle English Seminary (C. F. Brown), 4.30-6 Seminary in German Literature (Jessen), 4-6 Middle Low German Semitic Seminary (Barton) Seminary in Ancient History (Ferguson), 4-6 Education Journal Club (Castro), 4.30-6 Journal Club in History of Art (G. G. King), 4.30-6. Alternate Weeks Mathematics (Scott), 4-6 Seminary in Physiology, 4-6</p>	<p>Latin Seminary, Latin Lyric (Wheeler), 4.30-6 Middle High German</p> <p>Semitic Seminary (Barton) Seminary in Economics (Marion P. Smith), 4-6 Seminary in History of Philosophy (Avey), 4-6 Seminary in Principles and Methods of Education (Castro), 4.30-6 Seminary in Petrology (Bascom), 4.30-6</p>
<p>High German Seminary (DeHaan)</p>	<p>Gothic Spanish Seminary (DeHaan) Geology Journal Club (Bascom and T. C. Brown)</p>	<p>Old High German Spanish Philology (DeHaan)</p>

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German (Jeffers) French (Thayer)	Greek (Kirk) German (Jeffers) French (Thayer)
	GENERAL	Psychology, Div. A (Leuba) Div. B (Avey)	Psychology, Div. A (Leuba) Div. B (Avey)
	MINOR	Greek, Euripides (Sanders) French Reading Introduction to Government and Politics, Div. A (Fenwick) Div. B. (Leake) Ancient Architecture (Carpenter) Mathematics, Calculus (Hazlett) Chemistry (Crenshaw)	Greek, Homer (Wright) French, 19th Century Literature (S) Introduction to Government and Div. A (Fenwick) Div. B (Leake) Ancient Rome (Swindler) Mathematics, Algebra (Hazlett) Chemistry Laboratory (Crenshaw)
	MAJOR	German Literature (Jessen) Ancient History, Roman Empire (Ferguson) Psychology, Applied (Rand)	German, Faust (Jessen) Historians of Rome (Ferguson) Psychology, Applied (Rand)
	ELECTIVE	Biology, Theoretical (Tennent)	Historical Development of Physics
	POST-MAJOR	Inorganic Chemistry (Crenshaw)	
	GRADUATE	Physics (Huff) Geology (T. C. Brown)	Geology (T. C. Brown)
10	GENERAL	English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)
	MINOR	English Poetry, 1850-1914 (Chew) German Grammar Spanish (DeHaan) History of the Reformation (W. R. Smith) History of the Middle Ages (Leake) Biology	English Poetry, 1850-1914 (Chew) German Literature (Jessen) Spanish (DeHaan) History of the Reformation (W. R. Smith) History of the Middle Ages (Leake) Biology Laboratory
	MAJOR	Philosophy Ethics (T. de Laguna) 17th and 18th Century Painting (Parkhurst) Geology (Bascom)	Philosophy, Ethics (T. de Laguna) Renaissance Sculpture (G. G. King) Geology (Bascom)
	ELECTIVE	Private Law (Fenwick)	German, Advanced Composition
	POST-MAJOR	Physics (Barnes) Chemistry (Brunel)	Astrophysics (Barnes) Physical Chemistry (Crenshaw)
	GRADUATE		Mental Tests (Rand), 10-12
	GENERAL	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
11	MINOR	Ancient History, Oriental (Barton) Recent Philosophical Tendencies (G. de Laguna) Greek Sculpture (Carpenter)	Ancient History, Classical (Ferguson) Recent Philosophical Tendencies (G. de Laguna) Archæology, Minor Arts (Carpenter)
	MAJOR	Latin Comedy (Wheeler) Italian Spanish Reading (DeHaan) History of the Renaissance (Gray) History British Imperialism (W. R. Smith) Physics (Huff) Chemistry (Brunel)	Latin Literature (Frank) Italian Spanish Literature (DeHaan) History of the Renaissance (Gray) History, British Imperialism (W. R. Smith) Physics (Huff) Chemistry (Brunel)
	ELECTIVE		Descriptive Astronomy (Hazlett)
	POST-MAJOR	Mineralogy (Bascom)	Invertebrate Paleontology (T. C. Brown)
	GRADUATE	Systematic Psychology (Ferree)	
	MINOR	Latin, Terence, Div. C (Wheeler) Div. A (Ferguson) Div. B (Swindler) Italian Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes) Geology (T. C. Brown)	Latin Horace, Div. B (Frank) Div. A (Swindler) Div. C (Ferguson) Italian Psychology of Instinct and Emotion (Leuba) Gothic Architecture (G. G. King) Physics Laboratory (Barnes) Geology Laboratory (T. C. Brown)
	MAJOR	Greek, Thucydides (Sanders) Shakespeare (C. F. Brown) English, 19th Century Fiction (Savage) French Literature Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology (Tennent)	Greek Literature (Wright) Shakespeare (C. F. Brown) English, 19th Century Fiction (Savage) French Romantic Drama Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology (Tennent)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)
12			

SECOND SEMESTER, 1916-17.

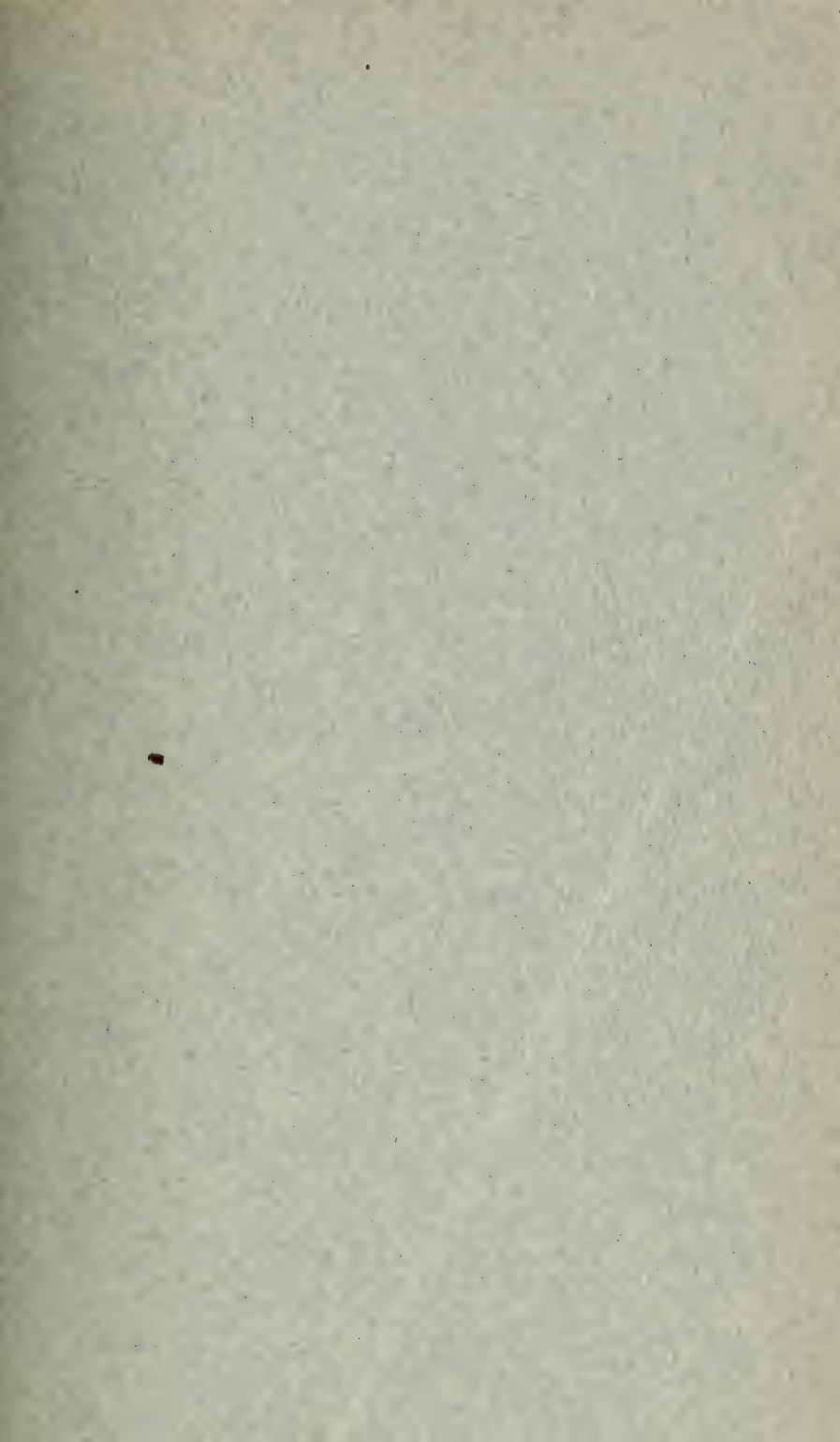
WEDNESDAY	THURSDAY	FRIDAY
<p>(Kirk) German (Jeffers) French (Thayer)</p> <p>Psychology, Div. A (Leuba) Div. B (Avey)</p> <p>Euripides (Sanders) Reading Introduction to Government and Politics, Div. A (Fenwick) Div. B (Leake)</p> <p>Ancient Architecture (Carpenter) Mathematics, Calculus (Hazlett) Chemistry (Crenshaw)</p> <p>Composition and Reading Ancient History, Roman Empire (Ferguson) Psychology, Applied (Rand)</p> <p>Botany (Bascom)</p> <p>Biochemistry (Huff)</p>	<p>Greek (Kirk) German (Jeffers) French (Thayer)</p> <p>Psychology, Div. A (Leuba) Div. B (Avey)</p> <p>Greek, Homer (Wright) French, 19th Century Literature (Schenck) Introduction to Government and Politics, Div. A (Fenwick) Div. B (Leake)</p> <p>Ancient Rome (Swindler) Mathematics, Algebra (Hazlett) Chemistry, Demonstration (Crenshaw)</p> <p>German, Faust (Jessen) Ancient History, Roman Life (Frank) Psychology, Applied (Rand)</p> <p>Physics, Journal Club (Huff and Barnes) Geology (T. C. Brown) Biology, Journal Club (Tennent)</p>	<p>Greek (Kirk) German (Jeffers) French (Thayer)</p> <p>Psychology, Div. A (Leuba) Div. B (Avey)</p> <p>Greek, Herodotus (Sanders) French Composition Introduction to Government and Politics, Div. A (Fenwick) Div. B (Leake)</p> <p>Ancient Architecture (Carpenter) Mathematics, Calculus (Hazlett) Chemistry (Crenshaw)</p> <p>German Literature (Jessen) Ancient History, Roman Empire (Ferguson) Psychology, Applied (Rand)</p> <p>Old Testament Canon (Barton) Meteorology (T. C. Brown)</p> <p>Physics (Huff)</p>
<p>Composition, 2nd year (Savage)</p> <p>Poetry, 1850-1914 (Chew) Reading (DeHaan) History of the Reformation (W. R. Smith) History of the Middle Ages (Leake)</p> <p>Philosophy, Ethics (T. de Laguna) 17th and 18th Century Painting (Parkhurst) (Bascom)</p> <p>Mathematics (Scott)</p> <p>Barnes Chemistry (Brunel)</p>	<p>English Composition, 2nd year (Savage)</p> <p>English Poetry, 1850 to 1914 (Chew) German Literature (Jessen) Spanish (DeHaan) History of the Reformation (W. R. Smith) History of the Middle Ages (Leake) Biology, Demonstration</p> <p>Philosophy, Ethics (T. de Laguna) Renaissance Sculpture (G. G. King) Geology Laboratory (Bascom)</p> <p>Astrophysics (Barnes) Physical Chemistry (Crenshaw)</p>	<p>English Composition, 2nd year (Savage)</p> <p>English Poetry, 1850 to 1914 (Chew) German Reading Spanish (DeHaan) History of the Reformation (W. R. Smith) History of the Middle Ages (Leake) Biology</p> <p>Philosophy, Ethics (T. de Laguna) 17th and 18th Century Painting (Parkhurst) Geology Laboratory (Bascom)</p> <p>Physics (Barnes) Chemistry (Brunel)</p>
<p>Literature, 1st year (Donnelly)</p> <p>History, Oriental (Barton) Philosophical Tendencies (G. de La) (Laguna) Sculpture (Carpenter)</p> <p>Comedy (Wheeler)</p> <p>Grammar (DeHaan) History of the Renaissance (Gray) British Imperialism (W. R. Smith) (Huff) Chemistry Laboratory (Brunel)</p> <p>Land (Census Problems (Bascom)</p> <p>Psychology (Ferree)</p>	<p>English Literature, 1st year (Donnelly)</p> <p>Ancient History, Classical (Ferguson) Recent Philosophical Tendencies (G. de Laguna) Archæology, Minor Arts (Carpenter)</p> <p>Latin Literature (Frank) Italian Spanish Literature (DeHaan) History of the Renaissance (Gray) History, British Imperialism (W. R. Smith) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)</p> <p>Descriptive Astronomy (Hazlett)</p> <p>Invertebrate Palæontology (T. C. Brown)</p>	<p>English Literature, 1st year (Donnelly)</p> <p>Ancient History, Oriental (Barton) Recent Philosophical Tendencies (G. de Laguna) Greek Sculpture (Carpenter)</p> <p>Latin Comedy (Wheeler) Italian Spanish Reading (DeHaan) History of the Renaissance (Gray) History, British Imperialism (W. R. Smith) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)</p> <p>Mineralogy (Bascom)</p> <p>Systematic Psychology (Ferree)</p>
<p>Terence, Div. C (Wheeler) Div. A (Ferguson) Div. B (Swindler)</p> <p>Psychology of Instinct and Emotion (Leuba) Renaissance Painting (G. G. King) (Barnes) T. C. Brown)</p> <p>Shakespeare (Sanders) Shakespeare (C. F. Brown) 19th Century Fiction (Savage) Style and Composition History of Econ. Thought (M. P. Smith) (Tennent)</p> <p>Chemistry (Crenshaw)</p>	<p>Latin, Horace, Div. B (Frank) Div. A (Swindler) Div. C (Ferguson)</p> <p>Italian Psychology of Instinct and Emotion (Leuba) Gothic Architecture (G. G. King) Physics, Demonstration (Barnes) Geology, Demonstration (T. C. Brown)</p> <p>Greek Literature (Wright) Shakespeare (C. F. Brown) English, 19th Century Fiction (Savage) French Romantic Drama Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology Laboratory (Tennent)</p> <p>Chemistry Journal Club (Brunel)</p>	<p>Latin, Terence, Div. C (Wheeler) Div. A (Ferguson) Div. B (Swindler)</p> <p>Italian Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes) Geology (T. C. Brown)</p> <p>Greek, Thucydides (Sanders) Shakespeare (C. F. Brown) English, 19th Century Fiction (Savage) French Literature Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology Laboratory (Tennent)</p> <p>Physical Chemistry (Crenshaw)</p>

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
2	Laboratory Work	Physics, Minor (Barnes) Chemistry, Minor (Crenshaw) Geology, Minor, Field Work (T. C. Brown) Biology, Minor	Physics, Minor (Barnes) Chemistry, Minor (Crenshaw) Geology, Minor (T. C. Brown) Biology, Minor
	Elective	Technique of the Drama (Savage) New Testament Biography (Barton)	Technique of the Drama (Savage) New Testament Biography (Barton)
	Post-Major	Greek, Aeschylus (Sanders) French, Rabelais (Beck)	Greek, Aeschylus (Sanders) French, Rabelais (Beck)
		Economics and Politics, American Social Problems (Marion P. Smith) Mathematics (Scott)	Economics and Politics, American Social Problems (Marion P. Smith) Mathematics (Scott)
	Graduate	Beowulf (C. F. Brown), 2.30-4.30 Social Treatment (Kellogg)	Seminary in English Literature (L. 2-4) Social Treatment (Kellogg)
3	Laboratory Work	Physics, Minor (Barnes) Chemistry, Minor (Crenshaw) Geology, Minor, Field Work (T. C. Brown) Biology, Minor	Physics, Minor (Barnes) Chemistry, Minor (Crenshaw) Geology, Minor (T. C. Brown) Biology, Minor
	Elective	Elocution, Reading of Shakespeare (A. S. King) Education (Kellogg)	Elocution, Reading of Shakespeare (A. S. King) Advanced Experimental Psychology Education (Kellogg)
	Post-Major	Latin, Roman Prose of the Empire (Frank) History, American Constitutional (William R. Smith) Social Betterment (Kingsbury)	Latin, Roman Prose of the Empire (Frank) History, American Constitutional (William R. Smith) Social Betterment (Kingsbury) Mathematics (Hazlett)
		Teutonic Seminary, 3-5 Foundations of French Grammar (Beck) Elementary Semitic Languages (Barton) Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Modern Painting (G. G. King), 2-4	Greek Seminary, Greek Historians (Frank) Old Norse Spanish Philology (DeHaan) Egyptian (Barton)
	Graduate	Latin Seminary, Epigraphy (Frank), 4-6 Seminary in Mediæval French Literature (Beck), 4.30-6 Hebrew Literature (Barton) History Journal Club (Gray, W. R. Smith and Leake), 4-6, Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick and Kingsbury), 4-6, Alternate Weeks Seminary in Social Economy (Kingsbury), 4-6, Alternate Weeks Psychology Seminary (Leuba), 4-6 Mathematics (Hazlett), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Kingsbury), 4.30-6, Alternate Weeks Latin Journal Club (Wheeler and Kingsbury), 4.30-6, Alternate Weeks Middle English Seminary (C. F. Brown), 4.30-6 German Journal Club (Jessen and Kingsbury), 4.30-6, Alternate Weeks Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Social Theory (Kellogg), 4-6 Seminary in Logic (Theodore de la Motte), 4-6 Seminary in Principles and Methods of Education (Castro), 4.30-6 Mathematical Journal Club (Scott and Hazlett), Alternate Weeks
4	Graduate	Latin Seminary, Epigraphy (Frank), 4-6 Seminary in Mediæval French Literature (Beck), 4.30-6 Hebrew Literature (Barton) History Journal Club (Gray, W. R. Smith and Leake), 4-6, Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick and Kingsbury), 4-6, Alternate Weeks Seminary in Social Economy (Kingsbury), 4-6, Alternate Weeks Psychology Seminary (Leuba), 4-6 Mathematics (Hazlett), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Kingsbury), 4.30-6, Alternate Weeks Latin Journal Club (Wheeler and Kingsbury), 4.30-6, Alternate Weeks Middle English Seminary (C. F. Brown), 4.30-6 German Journal Club (Jessen and Kingsbury), 4.30-6, Alternate Weeks Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Social Theory (Kellogg), 4-6 Seminary in Logic (Theodore de la Motte), 4-6 Seminary in Principles and Methods of Education (Castro), 4.30-6 Mathematical Journal Club (Scott and Hazlett), Alternate Weeks
5	Graduate	Introduction to Teutonic Philology Spanish Seminary (DeHaan)	

SECOND SEMESTER, 1916-17 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>Psychology, Major (Brunel)</p> <p>Modern Painting (G. G. King)</p> <p>Prose Composition (Sanders)</p> <p>Composition (Frank)</p> <p>Reading (Jessen)</p> <p>Lyric Poetry</p> <p>Economics and Politics, American Social</p> <p>Science (Marion P. Smith)</p> <p>History (Crenshaw)</p> <p>Embryology (Tennent)</p> <p>Historical Grammar (C. F. Brown),</p> <p>Philology (Beck), 2-4</p> <p>Advanced Seminary (Carpenter), 2-4</p> <p>Treatment (Kellogg)</p> <p>Social and Political Philosophy</p> <p>de Laguna), 2-4</p>	<p>Psychology, Major (Rand)</p> <p>Physics, Major (Huff)</p> <p>Chemistry, Major (Brunel)</p> <p>Geology, Major (Bascom)</p> <p>Biology, Major (Tennent)</p> <p>Modern Painting (G. G. King)</p> <p>Greek, Plato (Wright)</p> <p>German Literature (Jessen)</p> <p>French, Lyric Poetry</p> <p>Economics and Politics, International Law</p> <p>(Fenwick)</p> <p>Seminary in French Literature (Schenck)</p> <p>2.30-4.30</p> <p>Seminary in European History (Gray)</p>	<p>Psychology, Major (Rand)</p> <p>Physics, Major (Huff)</p> <p>Chemistry, Major (Brunel)</p> <p>Geology, Major (Bascom)</p> <p>Biology, Major (Tennent)</p> <p>Modern Painting (G. G. King)</p> <p>German Literature (Jessen)</p> <p>French, Lyric Poetry</p> <p>Economics and Politics, International Law</p> <p>(Fenwick)</p> <p>Greek Seminary, Aristophanes (Wright), 2-4</p> <p>Advanced French Philology (Beck)</p> <p>Ancient Painting (Swindler)</p>
<p>Psychology, Major (Brunel)</p> <p>Intermediate Composition (Crandall)</p> <p>Plato (Wright)</p> <p>Roman Prose of the Empire (Frank)</p> <p>England under the Tudors (Gray)</p> <p>Quintus (Hazlett)</p> <p>Nervous System</p> <p>Metrics (Jessen)</p> <p>Testament Greek Seminary (Barton)</p> <p>Seminary in Politics (Fenwick)</p>	<p>Psychology, Major (Rand)</p> <p>Physics, Major (Huff)</p> <p>Chemistry, Major (Brunel)</p> <p>Geology, Major (Bascom)</p> <p>Biology, Major (Tennent)</p> <p>Intermediate Composition (Crandall)</p> <p>Roman Elegy (Wheeler)</p> <p>History, England under the Tudors (Gray)</p> <p>Greek Seminary, Greek Historians (Sanders),</p> <p>3-4.30</p> <p>Comparative Teutonic Grammar</p> <p>Hebrew (Barton)</p> <p>Philosophical Journal Club (Theodore de</p> <p>Laguna, Grace de Laguna and Avey),</p> <p>3-4.30</p>	<p>Psychology, Major (Rand)</p> <p>Physics, Major (Huff)</p> <p>Chemistry, Major (Brunel)</p> <p>Geology, Major (Bascom)</p> <p>Biology, Major (Tennent)</p> <p>Roman Elegy (Wheeler)</p> <p>History, England under the Tudors (Gray)</p> <p>English Journal Club (C. F. Brown, Don-</p> <p>nally, Chew and Savage), 3-4.30. Alternate</p> <p>Weeks</p> <p>Old Norse</p> <p>Romance Languages Journal Club (DeHaan,</p> <p>Beck and Schenck), 3-4.30. Alternate</p> <p>Weeks</p> <p>Archæological Journal Club (Carpenter,</p> <p>Swindler), 3-4.30. Alternate Weeks</p>
<p>Seminary, Latin Lyric (Wheeler),</p> <p>4.30-6</p> <p>High German</p> <p>ry in Mediæval French Literature</p> <p>4.30-6</p> <p>Seminary, 4-6</p> <p>ry in American History (William R.</p> <p>4.30-6</p> <p>ry in Social Economy (Kingsbury),</p> <p>4.30-6</p> <p>ry in Petrology (Bascom), 4.30-6</p> <p>ry in Zoology (Tennent), 4.30-6</p>	<p>Middle English Seminary (C. F. Brown),</p> <p>4.30-6</p> <p>Seminary in German Literature (Jessen), 4-6</p> <p>Middle Low German</p> <p>Semitic Seminary (Barton)</p> <p>Seminary in Ancient History (Ferguson), 4-6</p> <p>Education Jorنال Club (Castro), 4.30-6</p> <p>Journal Club in History of Art (G. G. King),</p> <p>4.30-6. Alternate Weeks</p> <p>Mathematics (Scott), 4-6</p> <p>Seminary in Physiology, 4-6</p> <p>Gothic</p> <p>Spanish Seminary (DeHaan)</p> <p>Geology Journal Club (Bascom and T. C.</p> <p>Brown), 4-6. Alternate Weeks</p>	<p>Latin Seminary, Latin Lyric (Wheeler),</p> <p>4.30-6</p> <p>Middle High German</p> <p>Semitic Seminary (Barton)</p> <p>Seminary in Economics (Marion P. Smith),</p> <p>4-6</p> <p>Seminary in History of Philosophy (Avey),</p> <p>4-6</p> <p>Seminary in Principles and Methods of</p> <p>Education (Castro) 4.30-6</p> <p>Seminary in Petrology (Bascom), 4.30-6</p> <p>Old High German</p> <p>Spanish Philology (DeHaan)</p>



President's Office

BRYN MAWR COLLEGE

CALENDAR

GRADUATE COURSES

1917

UNIVERSITY OF ILLINOIS LIBRARY



UNIVERSITY OF ILLINOIS

JUN 20 1917

Administrative Library

BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College,

March, 1917.

BRYN MAWR COLLEGE

CALENDAR

GRADUATE COURSES

1917

BRYN MAWR, PENNSYLVANIA.

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Printed by the John C. Winston Co.,
Philadelphia, Pa.

BRYN MAWR COLLEGE CALENDAR

1917

- PART 1. Register of Alumnæ and Former Students.
- PART 2. Graduate Courses.
- PART 3. Undergraduate and Graduate Courses.
- PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1917.														1918.														1919.													
JANUARY							JULY							JANUARY							JULY							JANUARY													
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S							
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21	22	23	24	25	26	27	22	23	24	25	26	27	28	20	21	22	23	24	25	26	21	22	23	24	25	26	27	26	27	28	29	30	31								
28	29	30	31				29	30	31					27	28	29	30	31			28	29	30	31				26	27	28	29	30	31								
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MARCH							SEPTEMBER							MARCH							SEPTEMBER							MARCH													
				1	2	3							1									1	2	3	4	5	6														
4	5	6	7	8	9	10	2	3	4	5	6	7	8	3	4	5	6	7	8	9	1	2	3	4	5	6	7	1	2	3	4	5	6	7							
11	12	13	14	15	16	17	9	10	11	12	13	14	15	10	11	12	13	14	15	16	8	9	10	11	12	13	14	9	10	11	12	13	14	15							
18	19	20	21	22	23	24	16	17	18	19	20	21	22	17	18	19	20	21	22	23	15	16	17	18	19	20	21	16	17	18	19	20	21	22							
25	26	27	28	29	30	31	23	24	25	26	27	28	29	24	25	26	27	28	29	30	22	23	24	25	26	27	28	23	24	25	26	27	28	29							
							30							31							29	30						30	31												
APRIL							OCTOBER							APRIL							OCTOBER							APRIL													
	1	2	3	4	5	6			1	2	3	4	5									1	2	3	4	5															
8	9	10	11	12	13	14	7	8	9	10	11	12	13	7	8	9	10	11	12	13	6	7	8	9	10	11	12	6	7	8	9	10	11	12							
15	16	17	18	19	20	21	14	15	16	17	18	19	20	14	15	16	17	18	19	20	13	14	15	16	17	18	19	13	14	15	16	17	18	19							
22	23	24	25	26	27	28	21	22	23	24	25	26	27	21	22	23	24	25	26	27	20	21	22	23	24	25	26	20	21	22	23	24	25	26							
29	30						28	29	30	31				28	29	30				27	28	29	30	31				27	28	29	30										
MAY							NOVEMBER							MAY							NOVEMBER							MAY													
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6	7	8	9	10	11	12	4	5	6	7	8	9	10	5	6	7	8	9	10	11	3	4	5	6	7	8	9	4	5	6	7	8	9	10							
13	14	15	16	17	18	19	11	12	13	14	15	16	17	12	13	14	15	16	17	18	10	11	12	13	14	15	16	11	12	13	14	15	16	17							
20	21	22	23	24	25	26	18	19	20	21	22	23	24	19	20	21	22	23	24	25	17	18	19	20	21	22	23	18	19	20	21	22	23	24							
27	28	29	30	31			25	26	27	28	29	30		26	27	28	29	30	31		24	25	26	27	28	29	30	25	26	27	28	29	30	31							
JUNE							DECEMBER							JUNE							DECEMBER							JUNE													
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10	11	12	13	14	15	16	9	10	11	12	13	14	15	9	10	11	12	13	14	15	8	9	10	11	12	13	14	8	9	10	11	12	13	14							
17	18	19	20	21	22	23	16	17	18	19	20	21	22	16	17	18	19	20	21	22	15	16	17	18	19	20	21	15	16	17	18	19	20	21							
24	25	26	27	28	29	30	23	24	25	26	27	28	29	23	24	25	26	27	28	29	22	23	24	25	26	27	28	22	23	24	25	26	27	28							
							30	31						30							31							29	30												

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 6th, 1918.

ACADEMIC YEAR, 1917-18.

September 25th.	Matriculation examinations begin.
October 1st.	Registration of students. Halls of Residence open for students at three p. m.
October 2nd.	Registration of students. Matriculation examinations end.
October 3rd.	The work of the thirty-third academic year begins at a quarter to nine o'clock.
October 4th.	Examinations for advanced standing begin.
October 13th.	Senior oral examination in French.
October 20th.	Senior oral examination in German.
October 25th.	Examinations for advanced standing end.
November 19th.	Collegiate and matriculation condition examinations begin.
November 27th.	Collegiate and matriculation condition examinations end.
November 28th.	Thanksgiving vacation begins at one o'clock.
December 3rd.	Thanksgiving vacation ends at nine o'clock.
December 8th.	Senior oral examination in French.
December 15th.	Senior oral examination in German.
December 19th.	Christmas vacation begins at one o'clock.
January 3rd.	Christmas vacation ends at nine o'clock.
January 17th.	Matriculation examinations begin.
January 22nd.	Matriculation examinations end.
January 23rd.	Half-yearly collegiate examinations begin.
February 2nd.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 4th.	Vacation.
February 5th.	Vacation.
February 6th.	The work of the second semester begins at a quarter to nine o'clock.
February 7th.	Examinations for advanced standing begin.
February 28th.	Examinations for advanced standing end.
March 15th.	Announcement of European Fellowships.
March 16th.	Senior oral examination in French.
March 18th.	Collegiate and matriculation condition examinations begin.
March 19th.	Mid-semester examination in matriculation Greek.
March 23rd.	Senior oral examination in German.
March 26th.	Collegiate and matriculation condition examinations end.
March 27th.	Easter vacation begins at one o'clock.
April 4th.	Easter vacation ends at nine o'clock.
May 11th.	Senior oral examinations in French and German.
May 21st.	Vacation.
May 22nd.	Collegiate examinations begin.

May 30th.	Matriculation examinations begin.
June 1st.	Collegiate examinations end.
June 5th.	Matriculation examinations end.
June 6th.	Conferring of degrees and close of thirty-third academic year.

ACADEMIC YEAR, 1918-19.

September 24th.	Matriculation examinations begin.
September 30th.	Registration of students. Halls of Residence open for students at three p. m.
October 1st.	Registration of students. Matriculation examinations end.
October 2nd.	The work of the thirty-fourth academic year begins at a quarter to nine o'clock.
October 3rd.	Examinations for advanced standing begin.
October 12th.	Senior oral examination in French.
October 19th.	Senior oral examination in German.
October 24th.	Examinations for advanced standing end.
November 18th.	Collegiate and matriculation condition examinations begin.
November 26th.	Collegiate and matriculation condition examinations end.
November 27th.	Thanksgiving vacation begins at one o'clock.
December 2nd.	Thanksgiving vacation ends at nine o'clock.
December 7th.	Senior oral examination in French.
December 14th.	Senior oral examination in German.
December 18th.	Christmas vacation begins at one o'clock.
January 2nd.	Christmas vacation ends at nine o'clock.
January 16th.	Matriculation examinations begin.
January 21st.	Matriculation examinations end.
January 22nd.	Half-yearly collegiate examinations begin.
February 1st.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 3rd.	Vacation.
February 4th.	Vacation.
February 5th.	The work of the second semester begins at a quarter to nine o'clock.
February 6th.	Examinations for advanced standing begin.
February 27th.	Examinations for advanced standing end.
March 18th.	Mid-semester examination in matriculation Greek.
March 21st.	Announcement of European Fellowships.
April 5th.	Senior oral examination in French.
April 7th.	Collegiate and matriculation condition examinations begin.
April 12th.	Senior oral examination in German.
April 15th.	Collegiate and matriculation condition examinations end.

April 16th.	Easter vacation begins at one o'clock.
April 24th.	Easter vacation ends at nine o'clock.
May 10th.	Senior oral examinations in French and German.
May 20th.	Vacation.
May 21st.	Collegiate examinations begin.
May 29th.	Matriculation examinations begin.
May 31st.	Collegiate examinations end.
June 4th.	Matriculation examinations end.
June 5th.	Conferring of degrees and close of thirty-fourth academic year.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1916-17.

*President,*M. CAREY THOMAS, PH.D., LL.D.
Office: Taylor Hall.*Dean of the College,*EUNICE MORGAN SCHENCK, PH.D.
Office: Taylor Hall.*Recording Dean and Assistant to the President,*ISABEL MADDISON, B.Sc., PH.D.
Office: Taylor Hall.*Secretary and Registrar of the College,*

EDITH ORLADY,* A.B. Office: Taylor Hall.

Recording Secretary and Acting Secretary and Registrar,

ABIGAIL CAMP DIMON, A.M. Office: Taylor Hall.

Wardens of the Halls of Residence,

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

MARGARET BONTECOU, A.B., Denbigh Hall.

MARY FRANCES NEARING, A.B., Rockefeller Hall.

BERTHA SOPHIE EHLERS, A.B., Radnor Hall.

ALICE MARTIN HAWKINS, A.B., Merion Hall.

Comptroller,

SANDY LEE HURST. Office: Taylor Hall.

Business Manager,

LOUISE WATSON, A.B. Office: Taylor Hall.

Assistant Business Manager,

HELEN SOPHIA LAUTZ, A.B. Office: Taylor Hall.

Junior Bursar,

HARRIET JEAN CRAWFORD, A.B. Office: Cartref.

Librarian,

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

Director of Athletics and Gymnastics and Supervisor of Health Department,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician in Chief,*THOMAS F. BRANSON, M.D. Office hours, 8.30 to 9.30 and 2 to 3 daily,
Rosemont, Pa.*Assistant Physician,*CAROLINE HURD LE FEVRE, M.D. Penygroes, Wyndon Avenue,
Bryn Mawr; Office hours, The Infirmary, Bryn Mawr College,
4.30 to 6 daily except Sunday.*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1408 Spruce Street,
Philadelphia.

* Granted leave of absence for the year 1916-17.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1916-17.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., LL.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891. Director of the American School of Oriental Study and Research in Palestine, 1902-03; LL.D., Haverford College, 1914.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, PH.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF, Ph.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, Ph.D., *Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY, A.B., *Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

KARL DETLEV JESSEN, Ph.D., *Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901. University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK,* Ph.D., *Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903. Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

DAVID HILT TENNENT, Ph.D., *Professor of Biology.*

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

CARLETON FAIRCHILD BROWN,* Ph.D., *Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

JAMES BARNES, Ph.D., *Associate Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06; Resident Fellow, University of Manchester, 1915.

THEODORE DE LEO DE LAGUNA, Ph.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION PARRIS SMITH, Ph.D., *Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

CLARENCE ERROL FERREE, Ph.D., *Associate Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

AGATHE LASCH,† Ph.D., *Associate Professor of Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examination *pro facultate docendi*, Karlsruhe, 1910.

GRACE MEAD ANDRUS DE LAGUNA, Ph.D., *Associate Professor of Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

* Granted leave of absence for the year 1916-17.

† Granted leave of absence for the duration of the war.

REGINA KATHARINE CRANDALL, PH.D., *Associate in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

EDITH ORLADY,* A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, 1910-12.

JAMES FULTON FERGUSON, PH.D., *Associate Professor of Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906, A.M., 1907, and Ph.D., 1912. Fellow, Yale University, 1906-09; Instructor in Williams College, 1909-10; Instructor in Greek and Latin, Yale College, 1910-12.

THOMAS CLACHAR BROWN, PH.D., *Associate Professor of Geology.*

A.B., Amherst College, 1904; A.M., Columbia University, 1905, and Ph.D., 1909. Assistant in Palaeontology, Columbia University, 1905-07; Geologist to the Board of Water Supply of New York City, 1907-09; Assistant Professor of Geology, Middlebury College, 1909-11; Non-resident Lecturer in Geology, Norwich University, 1909; Assistant Professor of Geology, The Pennsylvania State College, 1911-12.

ROGER FREDERIC BRUNEL, PH.D., *Associate Professor of Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, PH.D., *Phebe Anna Thorne Associate Professor and Professor (elect) of Education and Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

GERTRUDE RAND, PH.D., *Associate in Experimental and Educational Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12. Fellow in Philosophy, 1909-10. Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, PH.D., *Dean of the College and Associate Professor of Modern French Literature.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12.

SAMUEL CLAGGETT CHEW, PH.D., *Associate Professor of English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

JEAN BAPTISTE BECK, PH.D., *Associate Professor of Mediæval French Literature.*

Guebwiller, Alsace. Baccalaureate in Rhetoric, Sorbonne, 1900; Baccalaureate in Philosophy, Sorbonne, 1901; Ph.D., University of Strassburg, 1907; State Examination *pro facultate docendi*, 1908. Professor of Latin and German in the Ecole Alsacienne, Paris, 1909; Director of Advanced Courses for Teachers in Gymnasias, University of Vienna, 1910; Professor of French Literature, Wiener Handels-Akademie, 1910; Assistant Professor of Romance Languages, University of Illinois, 1911-14; Instructor in Romance Languages and Literatures, University of Chicago, Summer Quarter, 1912.

* Granted leave of absence for the year 1916-17.

SUSAN MYRA KINGSBURY, PH.D., *Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate, and Professor in Economics, Simmons College and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

ALBERT EDWIN AVEY, PH.D., *Associate in Philosophy.*

A.B., Yale University, 1908, A.M., 1909, and Ph.D., 1915. Graduate Student, Yale University, 1908-09, 1913-15; University of Berlin, 1912-13; Assistant in Psychological Laboratory, Yale University, 1913-14, and Lecturer in Elementary Logic, Yale University, Spring Term, 1913-14.

GEORGIANA GODDARD KING, A.M., *Professor of the History of Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

RHYS CARPENTER, PH.D., *Associate Professor of Classical Archæology.*

A.B., Columbia University, 1909, and Ph.D., 1916; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13.

CHARLES GHEQUIERE FENWICK, PH.D., *Associate Professor of Political Science.*

A.B., Loyola College, 1907; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

JAMES MILLER LEAKE, PH.D., *Associate in History.*

A.B., Randolph-Macon College, 1902; Ph.D., Johns Hopkins University, 1914. Instructor in French and English, Randolph-Macon College, 1901-03; Principal of Ashland High School, Ashland, Va., 1909-11; Johns Hopkins University, 1911-14; University Fellow, Johns Hopkins University, 1913-14.

HOWARD LEVI GRAY, PH.D., *Professor of History.*

A.B., University of Rochester, 1897; A.B., Harvard University, 1898, A.M., 1900, and Ph.D., 1907. Instructor in History, Harvard University, 1909-13, and Assistant Professor of History, 1914-15.

JAMES LLEWELLYN CRENSHAW, PH.D., *Associate in Physical Chemistry.*

A.B., Centre College, 1907, and A.M., 1908; Ph.D., Princeton University, 1911. Assistant Chemist in the Geo-Physical Laboratory of the Carnegie Institution, Washington, D. C., 1910-15.

HOWARD JAMES SAVAGE, PH.D., *Associate Professor of Rhetoric and Director of the Work in English Composition.*

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13, and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09; 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915.

OLIVE C. HAZLETT, PH.D., *Associate in Mathematics.*

A.B., Radcliffe College, 1912; S.M., University of Chicago, 1913, and Ph.D., 1915. Fellow in Mathematics, University of Chicago, 1913-15; Holder of the Fellowship of the Boston Branch of the Association of Collegiate Alumnae, 1914-15; Alice Freeman Palmer Fellow (elect) of the Association of Collegiate Alumnae 1915-17; Alice Freeman Palmer Fellow of Wellesley College, 1915-16, and Fellow (elect) 1916-17.

CHARLES DOMINIQUE VATAR, LICENCIÉ-ÈS-LETTRES, *Associate in French.*

Rennes, France. Bachelier-ès-lettres et ès-sciences, University of Rennes, 1910, and Licencié-ès-lettres, 1914. University of Lille, 1911-13; University of Rennes, 1913-15; University of London, 1915-16.

- SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*
Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902.
- THOMAS DE COURSEY RUTH,* Ph.D., *Lecturer in Latin.*
A.B., Johns Hopkins University, 1906, and Ph.D., 1916. Hopkins Scholar, Johns Hopkins University, 1907-09, Fellow in Latin, 1910-11, Fellow by Courtesy in Latin, 1911-12, 1915-16; Master in Latin, Gilman Country School, Baltimore, 1909-10; Instructor in Latin, Johns Hopkins University, Summer School, 1912; Instructor in Classics, Princeton University, 1912-15.
- HOWARD ROLLIN PATCH,† Ph.D., *Lecturer in English Philology.*
A.B., Hobart College, 1910; A.M., Harvard University, 1912, and Ph.D., 1915. Assistant in English, Harvard University, 1912-13; John Harvard Fellow, 1912-15; Instructor in English, Harvard University and Radcliffe College, 1915-16.
- EDWARD CARROLL DAY, Ph.D., *Lecturer in Physiology.*
A.B., Hamilton College, 1907; A.M., Harvard University, 1908, and Ph.D., 1911. Travelling Fellow in Zoology of Harvard University and Research Student in the Universities of Bonn, Freiburg, and Berlin, and in the Zoological Station, Naples, 1911-13; Instructor in Zoology and Physiology, Syracuse University, 1913-16.
- EDWARD HENRY SEHRT,‡ Ph.D., *Lecturer in Teutonic Philology.*
A.B., Johns Hopkins University, 1911, and Ph.D., 1915. Fellow, Johns Hopkins University, 1912-13, and Fellow by Courtesy, 1914-15; Student, University of Leipsic, 1913-14; Instructor in Modern Languages, Delaware College, 1915-16.
- MARY HAMILTON SWINDLER, Ph.D., *Instructor in Latin and Instructor and Demonstrator in Classical Archæology.*
A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12.
- ESTHER CLOUDMAN DUNN, A.B., *Instructor in English.*
A.B., Cornell University, 1913.
- EDITH CHAPIN CRAVEN, A.B., *Instructor in English.*
A.B., Bryn Mawr College, 1899. Graduate Student, Bryn Mawr College, 1899-1900.
- ELLEN ELIZABETH HILL, B.L., *Instructor in English.*
B.L., Smith College, 1891.
- ANGIE LILLIAN KELLOGG, A.M., *Instructor in Social Economy and Social Research.*
A.B., Vassar College, 1903, and A.M., 1904. Resident Fellow, Vassar College, 1903-04; Teacher of English, Schenectady High School, N. Y., 1904-10; Law Student, 1910-11; Fellow in Philosophy, Bryn Mawr College, 1911-13, and Graduate Scholar and Fellow by Courtesy, 1913-14; Holder of Mary Richardson and Lydia Pratt Babbott Fellowship of Vassar College, 1913-14; awarded A. C. A. European Fellowship for 1914-15; Probation Officer for Girls in Watertown, N. Y., Agent for S. P. C. C. Society of Jefferson Co., N. Y., and Superintendent of Bureau of Charities, Watertown, N. Y., summer of 1912; Officer at Bedford Reformatory, N. Y., summer of 1913; Jefferson County Agent for Dependent and Delinquent Children, 1914-16; Research Field Worker for the New York School of Philanthropy, January to May, 1916.
- ANNA CHRISTINE MCBRIDE, A.M., *Instructor in Economics and Statistics and Statistical Secretary in the Carola Woerishoffer Department of Social Economy and Social Research.*
A.B. and B.S., University of Missouri, 1912, and A.M., 1913. Problem Reader in Mathematics, University of Missouri, 1910-13; Teacher of Mathematics in the Preparatory High School of the University of Missouri, 1911-12; Graduate Scholar in Mathematics University of Missouri, 1912-13 and in Sociology, 1913-14; Graduate Student, Columbia University, 1914-16.

* Appointed as substitute for Professor Tenney Frank in 1916-17.

† Appointed as substitute for Professor Carleton Fairchild Brown in 1916-17.

‡ Appointed as substitute for Professor Agathe Lasch for the duration of the war.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98; Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899-1916.

ELLEN THAYER, A.B., *Reader in French.*

A.B., Bryn Mawr College, 1907. The Sorbonne, Paris, 1909-11. Teacher of French in Wolfe Hall, Denver, Colo., 1911-12.

HELEN HUSS PARKHURST, A.M., *Reader and Demonstrator in the History of Art.*

A.B., Bryn Mawr College, 1911, and A.M., 1913. Teacher of English and History in the Dwight School, Englewood, N. J., 1911-12; Graduate Scholar in Philosophy, Bryn Mawr College and Tutor in English, 1912-13; President's European Fellow and Student, University of Cambridge and the Sorbonne, 1913-14; Fellow in Philosophy, Bryn Mawr College, 1914-15; Honorary Fellow in Philosophy, Johns Hopkins University, 1915-16.

RUTH PERKINS, A.M., *Reader in Elementary German.*

A.B., Wellesley College, 1912; A.M., Radcliffe College, 1913. Assistant in German and Latin in the High School, Belchertown, Mass., 1913-14; Graduate Scholar in German, Bryn Mawr College, 1914-15, and Fellow in German, 1915-16.

JANE MARION EARLE, *Reader in Mathematics.*

Croydon, England. Newnham College, Cambridge, 1907-10; Mathematical Tripos, Part 1, 1908, Part 2, 1910. Training College for Women, Cambridge, 1910-11. British Graduate Scholar, Bryn Mawr College, 1915-17.

MARY EDITH PINNEY, A.M., *Demonstrator in Biology.*

A.B., University of Kansas, 1908, and A.M., 1910. Teaching Fellow in Zoology, University of Kansas, 1909-10, and High School Instructor, Alma, Kans., 1908-09; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, University of Kansas, 1912-13; Graduate Student, Bryn Mawr College, 1913-17.

EDITH HAMILTON LANMAN, A.M., *Demonstrator in Chemistry.*

A.B., Radcliffe College, 1914; A.M., University of California, 1915. Graduate Student, University of California, 1914-15.

SUE AVIS BLAKE, A.M., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics, 1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian.*

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-13.

HELEN COREY GEDDES, A.B., B.S., *Head Cataloguer.*

A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12.

SARAH WOOSTER ENO, A.B., *Circulation and Reference Librarian.*

A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12.

MARY LOUISE TERRIEN, A.B., *Assistant to the Circulation and Reference Librarian.*

A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics and Supervisor of Health Department.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire,

1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

HELEN REED KIRK, A.B., *Assistant Director of Athletics and Gymnastics.*
A.B., Bryn Mawr College, 1914. Teacher of Latin, History, and Athletics in the Holman School, Philadelphia, 1914-16.

ADMINISTRATIVE AND EXECUTIVE APPOINTMENTS.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

EUNICE MORGAN SCHENCK, PH.D., *Dean of the College and Associate Professor of Modern French Literature.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

EDITH ORLADY,* A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, 1910-12.

ABIGAIL CAMP DIMON, A.M., *Recording Secretary and Acting Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09; Demonstrator in Biology, Bryn Mawr College, 1911, and Reader in Biology, 1911-12.

SANDY LEE HURST, *Comptroller.*

LOUISE WATSON, A.B., *Business Manager.*

A.B., Bryn Mawr College, 1912. Teacher in Marshall College, Huntington, W. Va., 1913-14.

HELEN SOPHIA LAUTZ, A.B., *Assistant Business Manager.*

A.B., Bryn Mawr College, 1912. Teacher in Friends' Academy, Moorestown, N. J., 1912-16.

JOHN J. FOLEY, *Superintendent of Mechanical Equipment.*

GEORGE C. CHANDLER, *Superintendent of Buildings and Grounds.*

* Granted leave of absence for the year 1916-17.

HALLS OF RESIDENCE.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall.*

A.B., Bryn Mawr College, 1889.

MARGARET BONTECOU, A.B., *Warden of Denbigh Hall.*

A.B., Bryn Mawr College, 1909. Bryn Mawr European Fellow, 1909-10; Student, Universities of Munich and Oxford, 1910-11; Settlement Worker, Orange Social Settlement, 1912-13; Private Tutor and Secretary, 1913-14.

MARY FRANCES NEARING, A.B., *Warden of Rockefeller Hall.*

A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14.

BERTHA SOPHIE EHLERS, A.B., *Warden of Radnor Hall.*

A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13.

ALICE MARTIN HAWKINS, A.B., *Warden of Merion Hall.*

A.B., Bryn Mawr College, 1907. Teacher in Miss Robins's School, Philadelphia, 1907-08, and in the Friends' School, Germantown, 1908-09.

HARRIET JEAN CRAWFORD, A.B., *Junior Bursar.*

A.B., Bryn Mawr College, 1902. Chairman of Sectional School Board, 35th Ward, Philadelphia, 1910-16; Warden of Rockefeller Hall, Bryn Mawr College, 1907-11.

HEALTH DEPARTMENT APPOINTMENTS.

In cooperation with the President of the College, the Dean of the College, and the Supervisor of the Health Department:

THOMAS F. BRANSON, M.D., *Physician in Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

CAROLINE HURD LE FEVRE, M.D., *Associate Physician of the College.*

M.D., Women's Medical College of the New York Infirmary, 1897. Demonstrator in Anatomy and Physiology in the Women's Medical College of the New York Infirmary, 1897-99, and Attending Surgeon in the Gynecological Department, 1903-06; Lecturer in Hygiene in Pratt Institute, Brooklyn, N. Y., 1906-16, and in Adelphi College, Brooklyn, 1911-12; Practicing Physician in Brooklyn, 1899-1916.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants:

THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consulting Physician.*

GEORGE DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., 1625 Spruce Street, Philadelphia, *Consultant Surgeon.*

FRANCIS R. PACKARD, M.D., 302 South Nineteenth Street, Philadelphia, *Consultant Aurist and Laryngologist.*

JAMES K. YOUNG, M.D., 222 South Sixteenth Street, Philadelphia, *Consultant Orthopaedist.*

G. G. DAVIS, M.D., 1814 Spruce Street, Philadelphia, *Consultant Orthopaedist.*

ADMINISTRATIVE AND EXECUTIVE MANAGERS AND ASSISTANTS.

BESSIE HOMER JENNINGS, *Assistant Cataloguer*.
Graduate, Drexel Institute Library School, 1900.

MERCER WATSON, *Assistant to the Librarian*.

ANNA CHRISTINE MCBRIDE, A.M., *Statistical Secretary in the Carola Woerishoffer Department of Social Research*.

A.B. and B.S., University of Missouri, 1912, and A.M., 1913. Problem Reader in Mathematics, University of Missouri, 1910-13; Teacher of Mathematics in the Preparatory High School of the University of Missouri, 1911-12; Graduate Scholar in Mathematics, University of Missouri, 1912-13, and in Sociology, 1913-14; Graduate Student, Columbia University, 1914-16.

FRIEDA SEGELKE MILLER, A.B., *Research Assistant in the Carola Woerishoffer Department of Social Research*.

A.B., Milwaukee-Downer College, 1911. Graduate Student, University of Chicago, 1911-15.

MARY WARREN TAYLOR, *Secretary to the Department of Athletics and Gymnastics and Recording Secretary to the Health Department*.

GENEVIEVE ESTELLE POTTER, *Bookkeeper and Assistant to the Comptroller*.

MABEL GRAY THOMAS, *Stenographer and Assistant Bookkeeper in the Comptroller's Office*.

MARY MINOR WATSON TAYLOR, A.B., *Secretary to the Dean of the College*.

A.B., Bryn Mawr College, 1911. Teacher of Mathematics, Physics, and Latin in Miss Morris's School, Richmond, Va., 1911-12; Secretary to the Dean and Assistant Registrar, Westhampton College, 1914-16.

MARION CLEMENTINE KLEPS, A.B., *Assistant to the Recording Secretary*.

A.B., and Bryn Mawr European Fellow, Bryn Mawr College, 1916.

ANNE WHITE GALBRAITH, A.M., *Assistant in the Office of the Recording Dean*.

A.B., Bucknell University, 1907 and A.M., 1908. Student, Paris, summer, 1909, Munich, summer, 1912, and University of Wisconsin, summer, 1913. Teacher of French, Stetson University, De Land, Florida, 1907-10; Teacher of Greek and Latin, and Head of Department of Modern Languages, Williamsport High School, 1910-14; Secretarial and Editorial Work, The Pennsylvania State College, 1915-16; Graduate Student, Bryn Mawr College, 1916-17.

EDITH HAMILTON LANMAN, A.M., *Manager of Dalton Hall*.

A.B., Radcliffe College, 1914; A.M., University of California, 1915. Graduate Student, University of California, 1914-15.

DEPARTMENT OF EDUCATION.

PHEBE ANNA THORNE MODEL SCHOOL.

MATILDE CASTRO, Ph.D., *Director and Teacher of English and History*.

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Morris, Ill. 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Associate Professor and Professor (elect) of Education, Bryn Mawr College.

FLORENCE NICE BECKLEY, A.B., *Secretary of the School*.

A.B., Vassar College, 1907. Simmons College, 1909-10. Secretary to the President, Newton Theological Institution, 1910-14.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading*.

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902. Non-Resident Lecturer in English Diction, Bryn Mawr College.

PLACIDO DE MONTOLIU, *Teacher of Jaques-Dalcroze Eurythmics (Singing, Dancing)*.

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Hellerau, Germany.

CONSTANCE M. K. APPLEBEE, *Teacher of Gymnastics and Sports and Games*.
Director of Gymnastics and Athletics, Bryn Mawr College.

MARY HAMILTON SWINDLER, PH.D., *Teacher of Latin*.

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12. Instructor in Latin and Classical Archaeology, Bryn Mawr College.

GERTRUDE RAND, PH.D., *Psychologist to the Phebe Anna Thorne Model School*.

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13. Associate in Educational and Experimental Psychology, Bryn Mawr College.

ELLEN THAYER, A.B., *Teacher of French*.

A.B., Bryn Mawr College, 1907. The Sorbonne, Paris, 1909-11. Teacher of French in Wolfe Hall, Denver, Colo., 1911-12. Reader in French, Bryn Mawr College.

CHRISTINE POTTS HAMMER, A.M., *Teacher of English*.

A.B., Bryn Mawr College, 1912; A.M., Cornell University, 1916. Reader in English, Bryn Mawr College, 1913-15; Graduate Scholar in English, Cornell University, 1915-16.

MYRTLE VAN WYE, A.M., *Teacher of Mathematics*.

A.B., Mount Holyoke College, 1914, and A.M., Radcliffe College, 1915. Graduate Student, Radcliffe College, 1914-15; Graduate Scholar, Radcliffe College, 1915-16.

MABEL PAULINE WOLFF, A.M., *Teacher of History*.

A.B., Barnard College, 1905, and A.M., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06; Allentown College for Women, 1906-07; Paulsboro High School, Gloucester City, N. J., 1907-11; Washington Seminary, Washington, Pa., 1911-14; Leominster High School, Leominster, Mass., 1915-16.

JEAN A. CROSS, A.B., *Teacher of Elementary Science*.

A.B., Wellesley College, 1909. Teacher, Miss Wellington's School, Arlington, Mass., 1909-10; Fairview Garden School, Yonkers, N. Y., 1910-12; Nature Study Teacher, Yonkers Training School for Teachers, 1910-15; Garden Director, Boston Social Union, summers of 1910 and 1911; Assistant Curator, Brooklyn Botanic Garden, 1915-16.

JEANNE CHÉRON, LICENCIÉE-ÈS-LETTRES, *Teacher of French*.

Paris, France. Licenciée-ès-lettres, University of Paris, 1908. Instructor in French, Wellesley College, 1909-11; Teacher in Miss Chamberlayne's School, Boston, 1911-15, and in Madame Rieffel's School, Rosemont, Pa., 1915-16.

IRENE ROBERTS, *Teacher of Drawing and Modelling*.

Student in the Normal Art and Manual Training Course, and General Art Course, Pratt Institute, 1908-10. Teacher of Drawing and Handwork, Rutgers' Elementary School, New Brunswick, N. J., 1910-12; Teacher of Drawing, Handwork, and the History of Art, The Scudder School for Girls, New York City, 1912-16.

RUTH PERKINS, A.M., *Teacher of German*.

A.B., Wellesley College, 1912; A.M., Radcliffe College, 1913. Assistant in German and Latin in the High School, Belchertown, Mass., 1913-14; Graduate Scholar in German, Bryn Mawr College, 1914-15; and Fellow in German, 1915-16; Reader in German, Bryn Mawr College.

STUDENTS.

Fellows and Graduate Students, Academic Year, 1916-17.

- ELIZABETH BEATRICE DAW,*.....*Mary E. Garrett European Fellow.*
Spottswood, N. J. A.B., Vassar College, 1909, and A.M., University of Pennsylvania, 1910. Reader in English, Bryn Mawr College, 1912-14; Fellow in English, 1914-15; Fellow by Courtesy and Scholar in English, 1915-16.
- HELEN MORNINGSTAR,*.....*President's European Fellow.*
Columbus, O. A.B., Ohio State University, 1913, and A.M., 1915. Teaching Fellow in English, Ohio State University, 1913-15; Fellow in Geology, Bryn Mawr College, 1915-16, and Scholar in Geology and Fellow by Courtesy, 1916-17.
- LOUISE ELIZABETH WHETENHALL ADAMS,.....*Special European Fellow.*
Brooklyn, N. Y. A.B., Barnard College, 1914, and A.M., 1915. Graduate Student, Columbia University, 1914-15. Graduate Scholar in Greek, Bryn Mawr College, 1915-16; Student in the American Academy in Rome, 1916-17.
- RUTH PERKINS,*.....*Ottendorfer Memorial Research Fellow in Teutonic Philology.*
Abington, Mass. A.B., Wellesley College, 1912; A.M., Radcliffe College, 1913. Assistant in German and Latin in the High School, Belchertown, Mass., 1913-14; Graduate Scholar in German, Bryn Mawr College, 1914-15; Fellow in German, 1915-16, and Reader in German, 1916-17.
- MARIAN CLEMENTINE KLEPS,*.....*Bryn Mawr European Fellow.*
Philadelphia. A.B., Bryn Mawr College, 1916. Trustees' Philadelphia Girls' High School Scholar, 1912-16; James E. Rhoads Sophomore and Special Scholar, 1913-14; Anna Hallowell Memorial Scholar, 1914-15; Maria L. Eastman Brooke Hall Memorial Scholar, 1915-16; Assistant to the Recording Secretary, Bryn Mawr College, 1916-17.
- LILLIAN ROSANOFF,.....*Helen Schaeffer Huff Memorial Research Fellow.*
New York City. A.B., Barnard College, 1908; A.M., Columbia University, 1911; Ph.D., Clark University, 1914. Teacher of Mathematics in Hunter College, 1908-10, and in New York City High Schools 1910-12, and 1914-15; Helen Schaeffer Huff Memorial Research Fellow, Bryn Mawr College, 1915-16.
- MARION EDWARDS PARK,.....*Fellow in Latin.*
Baltimore, Md. A.B., Bryn Mawr College, 1898, and A.M., 1899. Bryn Mawr European Fellow, 1898-99; Graduate Student, Bryn Mawr College, 1898-99, 1912-14; University of Chicago, Autumn Quarter, 1900-01; American School of Classical Studies, Athens, 1901-02; Instructor in Classics, Colorado College, 1902-03, 1904-06; Assistant Professor, 1914-15; and Acting Dean of Women, 1903-04; Teacher in Miss Wheeler's School, Providence, R. I., 1906-09; Acting Dean of the College, Bryn Mawr College, 1911-13; Graduate Student, Johns Hopkins University, 1915-16.
- CHARLOTTE D'EVELYN,.....*Fellow in English.*
San Francisco, Cal. B.L., Mills College, 1911; University of California, Summer, 1912. Teacher in the Public Schools, Bloomington, Idaho, Jan.-June, 1912, and in Sanger, Cal., 1912-13; Graduate Scholar in English, Bryn Mawr College, 1913-15; Mary E. Garrett European Fellow and Student in the British Museum, London, and in Oxford, 1915-16.
- HILDA MARIE RAETZMANN,.....*Fellow in German.*
Reedsburg, Wis. A.B., University of Wisconsin, 1912, and A.M., 1913. University Teaching Fellow, University of Wisconsin, 1912-13; Teacher in the High Schools, Madison, Wis., 1913-16.
- EUNICE SPALDING CHAPIN,.....*Fellow in Romance Languages.*
Lincoln, Neb. A.B., University of Nebraska, 1915. Graduate Student, University of Nebraska, 1915-16.

* Fellowship deferred.

- BEATRICE ALLARD,.....*Fellow in Semitic Languages.*
 Boston, Mass. A.B., Mount Holyoke College, 1915. Graduate Scholar in Semitic Languages and Biblical Literature, Bryn Mawr College, 1915-16.
- MARGARET WOODBURY,.....*Fellow in History.*
 Columbus, O. A.B., Ohio State University, 1915. Graduate Scholar in History, Bryn Mawr College, 1915-16.
- FLORENCE KNOWLTON MIDDAGH,.....*Fellow in Economics.*
 Jackson, Mich. A.B., University of Michigan, 1915, and A.M., 1916. Graduate Student, University of Michigan, 1915-16.
- HAZEL GRANT ORMSBEE,
Carola Woerishoffer Fellow in Social Economy and Social Research.
 Ithaca, N. Y. A.B., Cornell University, 1915. Carola Woerishoffer Scholar in Social Economy and Social Research, Bryn Mawr College, 1915-16.
- LOUISE YOUNG,.....*Fellow in Philosophy.*
 Memphis, Tenn. A.B., Vanderbilt University, 1912; A.M., University of Wisconsin, 1915. Teacher in St. Mary's School, Memphis, 1912-14; Graduate Student, University of Wisconsin, 1914-16.
- MARY RUTH ALMACK,.....*Fellow in Psychology.*
 Coshocton, O. A.B., Ohio State University, 1915, and A.M., 1916.
- ELEANOR FERGUSON RAMBO,.....*Fellow in Archæology.*
 Bryn Mawr, Pa. A.B., Bryn Mawr College, 1908, A.M., 1909. Scholar in Greek, Bryn Mawr College, 1908-09; Graduate Student in Latin, 1909-10, and in Archæology, 1911-12, 1915-16, Scholar in Archæology, 1914-15; Teacher of Mathematics in the Misses Kirk's School, Bryn Mawr, 1909-10; Private Tutor, 1910-11; Teacher of Latin in Miss Wright's School, Bryn Mawr, and Private Tutor, 1911-16.
- MARGUERITE JENNIE BRECKENRIDGE,.....*Fellow in Mathematics.*
 Grove City, Pa. A.B., Grove City College, 1913. Teacher in the High School, Centerville, Pa., 1913-15; Graduate Scholar in Mathematics, Bryn Mawr College, 1915-16.
- MARION PUTNAM BLACK,.....*Fellow in Chemistry.*
 Montgomery, Ala. A.B., Agnes Scott College, 1915. Graduate Student and Assistant in Chemistry, Agnes Scott College, 1915-16.
- MARGARET CAMERON COBB,.....*Fellow in Geology.*
 Portsmouth, Va. A.B., North Carolina Normal and Industrial College, 1912; A.B., Barnard College, 1915. Graduate Student, Columbia University, 1915-16.
- JANE MARION EARLE,.....*British Graduate Scholar.*
 Croydon, England. Newnham College, Cambridge, 1907-10; Mathematical Tripos, Part 1, 1908, Part 2, 1910. Training College for Women, Cambridge, 1910-11. Teacher of Mathematics in the Girls' High School, Leeds, 1911-15; British Graduate Scholar and Student of Mathematics and Philosophy, Bryn Mawr College, 1915-16, and Reader in Mathematics, 1917.
- DOROTHY EVERETT,.....*British Graduate Scholar.*
 King's Lynn, Norfolk, England. Girton College, Cambridge, 1913-16; Mediæval and Modern Languages Tripos, 1916.
- GWEN ANN JONES,.....*British Graduate Scholar.*
 Bala, Wales. B.A., University College of Wales, 1909, and M.A., 1914. Teacher in the Girls' Intermediate School, Pontypool, Wales, 1910-15; British Scholar and Student in English, Bryn Mawr College, 1915-16.
- MABEL VAUGHAN KITSON,.....*British Graduate Scholar.*
 Wakefield, England. Newnham College, Cambridge, 1913-16; Mediæval and Modern Languages Tripos, 1916.
- MARIA ALEXANDRA STAPPERT,.....*German Graduate Scholar.*
 Sterkrade, Rheinprovinz, Germany. University of Bonn, Summer Semester, 1914; University of Münster, 1914-15; University of Frankfurt, Summers, 1915, 1916; University of Zürich, 1915-16.
- HELENE BELART,.....*Swiss Graduate Scholar.*
 Olten, Soleuve, Switzerland. University of Zürich, April, 1913, to March, 1915, University of Geneva, 1915-16.

- DOROTHY LAING ASHTON,.....*Chemistry.*
Swarthmore, Pa. A.B., Bryn Mawr College, 1910. Worker in Consumers' League, Philadelphia, 1910-12, and in Social Service Department of the Orthopaedic Hospital, Philadelphia, 1912-16.
- MARY ELIZABETH BARNICLE,
Fellow by Courtesy and Graduate Scholar in English.
Providence, R. I. A.B., Brown University, 1913. Teacher in Evening School, Providence, 1910-11; Graduate Scholar in English, Bryn Mawr College, 1913-15, and Fellow in English, 1915-16.
- KATHRYNE CHASE BATCHELDER,.....*Graduate Scholar in Economics.*
Faribault, Minn. A.B., Bryn Mawr College, 1916.
- LOUISE GOEBEL BECK,*.....*French.*
Bryn Mawr, Pa. A.B., University of Illinois, 1912. Substitute Teacher of German, Civics, and Algebra in the High School, Champaign, Ill., 1912-13; Oral Tutor in French, Bryn Mawr College, 1916-17.
- ENID ROSE BELL,.....*Economics.*
Jacksonville, O. A.B., Ohio University, 1916. Cornell University, 1915-16, Semester I, 1916-17. Stenographer to the President, Bryn Mawr College, 1917.
- SUE AVIS BLAKE,.....*Chemistry.*
Merion, Pa. A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, 1904-06, 1915-17; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, Bryn Mawr College, 1906-07; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.
- MARGARET BONTECOU,.....*History.*
Orange, N. J. A.B., Bryn Mawr College, 1909. Bryn Mawr European Fellow, 1909-10; Student, Universities of Munich and Oxford, 1910-11; Settlement Worker, Orange Social Settlement, 1912-13; Secretary and Private Tutor, 1913-14; Warden of Denbigh Hall, 1914-17.
- MARGARET SAEGER BRADWAY,.....*French.*
Haverford, Pa. A.B., Bryn Mawr College, 1915. Graduate Scholar in Romance Languages, 1915-16.
- ELIZABETH BRAKELEY,.....*Chemistry and Physics.*
Freehold, N. J. A.B., Bryn Mawr College, 1916.
- ELSA SOPHIE BRATLIE,.....*Graduate Scholar in Chemistry.*
Milwaukee, Wis. A.B., Ripon College, 1916.
- ANNA HAINES BROWN,.....*History.*
Philadelphia. A.B., Bryn Mawr College, 1915, and A.M., 1916. Graduate Student in History, Bryn Mawr College, 1915-16.
- EVA ALICE WORRALL BRYNE,.....*Graduate Scholar in Latin.*
Philadelphia. A.B., Bryn Mawr College, 1916.
- AGNES MARY HADDEN BYRNES,....*Susan B. Anthony Memorial Scholar.*
Evanston, Ill. A.B., Northwestern University, 1915; A.M., Columbia University, 1916.
- LYDIA C. CADBURY,†.....*English.*
Haverford, Pa. A.B., Wellesley College, 1912.
- MARGARET CHASE,.....*Economics.*
Titusville, Pa. A.B., Bryn Mawr College, 1916.
- JEANNE CHÉRON,.....*English.*
Paris, France. Licenciée-ès-lettres, University of Paris, 1908. Instructor in French, Wellesley College, 1909-11; Teacher in Miss Chamberlayne's School, Boston, 1911-15, and in Madame Rieffel's School, Rosemont, Pa., 1915-16; Teacher of French in the Phebe Anna Thorne Model School, 1916-17.

* Mrs. Jean Baptiste Beck.

† Mrs. Henry J. Cadbury.

- DAGMAR DONEGHY,.....*Graduate Scholar in English.*
Kirkville, Mo. A.B., University of Wisconsin, 1915, and A.M., 1916.
- ESTHER CLOUDMAN DUNN,.....*English.*
South Portland, Me. A.B., Cornell University, 1913. Lecturer in English, Maine State Summer School, 1914; Reader in English, Bryn Mawr College, 1914-17.
- SUSIE VERLE EDWARDS,.....*Penn College Scholar.*
Oskaloosa, Ia. A.B., Penn College, 1916.
- BERTHA SOPHIE EHLERS,.....*Chemistry.*
Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13; Warden of Radnor Hall, 1913-17.
- SARAH WOOSTER ENO,.....*Italian.*
Charlotte, Vt. A.B., University of Illinois, 1908. Cataloguer, Library of the University of Pennsylvania, 1909-10; Librarian, Stetson University, 1910-12; Circulation and Reference Librarian, Bryn Mawr College, 1912-17.
- ALICE DARCY FRANKLIN,.....*Graduate Scholar in History of Art.*
New York City. A.B., Barnard College, 1916.
- HELEN GENEVIEVE FULLER,
Carola Woerishoffer Scholar in Social Economy and Social Research.
Amesbury, Mass. A.B., Mount Holyoke College, 1915. Carola Woerishoffer Scholar in Social Economy and Social Research, Bryn Mawr College, 1915-16.
- ANNE WHITE GALBRAITH,.....*English.*
Williamsport, Pa. A.B., Bucknell University, 1907, and A.M., 1908. Student, Paris, Summer, 1909, Munich, Summer, 1912, and University of Wisconsin, Summer, 1913. Teacher of French, Stetson University, De Land, Fla., 1907-10; Teacher of Greek and Latin and Head of Department of Modern Languages, Williamsport High School, 1910-14; Secretarial and Editorial Work, The Pennsylvania State College, 1915-16, and Bryn Mawr College, 1916-17.
- MARION EDITH GRIEB,.....*History of Art.*
Scarsdale, N. Y. A.B., Wellesley College, 1914.
- CHRISTINE POTTS HAMMER,.....*Education.*
Pottstown, Pa. A.B., Bryn Mawr College, 1912; A.M., Cornell University, 1916. Private Secretary and Graduate Student, Bryn Mawr College, 1912-13; Reader in English, 1913-15; Graduate Student, Cornell University, 1915-16; Teacher of English in the Phebe Anna Thorne Model School, 1916-17.
- ALICE MARTIN HAWKINS,.....*History.*
Philadelphia. A.B., Bryn Mawr College, 1907. Teacher in Miss Robins's School, Mt. Airy, Philadelphia, 1907-08, and in the Friends' School, Germantown, Philadelphia, 1908-09; Warden of Merion Hall, Bryn Mawr College, 1916-17.
- HELEN RUTH HIBBARD,
Carola Woerishoffer Scholar in Social Economy and Social Research.
East Lansing, Mich. A.B., Wellesley College, 1894, and A.M., 1916. Teacher in Miss Williams's School, Worcester, Mass., 1894-95, in Monson Academy, Monson, Mass., 1895-99, in the Hillside School, Norwalk, Conn., 1900-01; Graduate Student, Wellesley College, 1915-16.
- FLORENCE CATHERINE IRISH,.....*History.*
Norristown, Pa. A.B., Bryn Mawr College, 1914, and A.M., 1916. Graduate Student, Bryn Mawr College, 1915-16.
- MILDRED CLARKE JACOBS,
Carola Woerishoffer Scholar in Social Economy and Social Research.
Philadelphia. A.B., Bryn Mawr College, Feb., 1916.
- MILDRED LEWIS JUSTICE,.....*Psychology and Education.*
Narberth, Pa. A.B., Bryn Mawr College, 1915, and A.M., 1916. Teacher in Miss Wright's School, Bryn Mawr, and Graduate Scholar in Education, Bryn Mawr College, 1915-16; Assistant Demonstrator in Applied Psychology and Secretary for the Phebe Anna Thorne Model School Clinics, 1916-17.

- MARGUERITE WITMER KEHR, *Graduate Scholar in Philosophy.*
Knoxville, Tenn. A.B., University of Tennessee, 1911, and A.M., Wellesley College, 1914. Teacher in the High School, Knoxville, 1911-12; Graduate Student, Wellesley College, 1912-13, 1914; Assistant in Psychology, University of Tennessee, First term, 1913-14; Instructor in Psychology, Summer School of the South, 1914; and Executive Secretary, 1915-16.
- ADRIENNE KENYON, *College Settlements Association Fellow.*
New York City. A.B., Bryn Mawr College, 1915. Special Student, Columbia University, Oct. 1915-Jan. 1916.
- EDITH HAMILTON LANMAN, A.M., *Physics.*
Cambridge, Mass. A.B., Radcliffe College, 1914; A.M., University of California, 1915. Graduate Student, University of California, 1914-15; Demonstrator in Chemistry, Bryn Mawr College, 1915-17.
- FRANCES LAUDER, *English and French.*
Wahpeton, N. Dak. A.B., University of Wisconsin, 1915. Assistant in High School, Hannaford, N. Dak., 1915-16.
- ELIZABETH THRUSTON LEAKE, * *English.*
Bryn Mawr, Pa. A.B., Goucher College, 1910. Assistant Principal of the High School, Ashland, Va., 1910-11.
- CORDIA LILIAN LUKERT, *English.*
Sabetha, Kans. A.B., Ottawa University, 1916.
- JANET MALCOLM MACDONALD, *Graduate Scholar in Archæology.*
Fort Dodge, Ia. A.B., Morningside College, 1910; A.M., University of Illinois, 1913. Assistant Principal in the High School, Aurelia, Ia., 1911-12; Instructor in Latin, Morningside College, 1913-15; Graduate Scholar in Archæology, Bryn Mawr College, 1915-16.
- AMELIA KELLOGG MACMASTER, *Special Scholar in Philosophy and Economics.*
Elizabeth, N. J. A.B., Bryn Mawr College, February, 1917.
- CHLOE SPEARMAN MCKEEFREY, *Graduate Scholar in French.*
Leetonia, O. A.B., Bryn Mawr College, 1916.
- CHARLOTTE FRELINGHUYSEN MCLEAN, *Greek, Latin, and French.*
Philadelphia. A.B., Bryn Mawr College, 1899; A.M., University of Pennsylvania, 1901, and Ph.D., 1907. Graduate Student, University of Pennsylvania, 1899-1901, 1916-17, and Bryn Mawr College, 1906-07, 1916-17; Head of the German Department in the High School, Norristown, Pa., 1902; Head of the College Preparatory Department, and of the Ancient and Modern Language Work, Linden Hall Seminary, Lititz, Pa., 1903-05 and Head of the Collegiate Department and of the Language Department, 1905-07; Head of Departments of Greek and History in the High School, Sewickley, Pa., 1907-08; Head of English Department in Birmingham School, Birmingham, Pa., 1908-09; Professor, Albert Lea College, Minn., 1909-10, Blackburn College, Carlinville, Ill., 1910-11, Athens College, Athens, Ala., 1911-12, St. Genevieve's College, Asheville, N. C., 1912-14, College of Montana, Deer Lodge, Mont., 1914-16.
- MARGARET MONTAGUE MONROE, *Graduate Scholar in Psychology.*
Asheville, N. C. Barnard College, 1911-13; Mount Holyoke College, 1913-15. A.B., Mount Holyoke College, 1915. Teacher in the Commercial High School, Atlanta, Ga., 1915-16.
- HELEN MORNINGSTAR, *Fellow by Courtesy and Graduate Scholar in Geology.*
Columbus, O. A.B., Ohio State University, 1913, and A.M., 1915. Teaching Fellow in English, Ohio State University, 1913-15; Fellow in Geology, Bryn Mawr College, 1915-16.
- MARY FRANCES NEARING, *Chemistry.*
Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14; Warden of Rockefeller Hall and Graduate Student, Bryn Mawr College, 1914-17.

* Mrs. James Miller Leake.

INEZ MAY NETERER,

Graduate Scholar in Social Economy and Social Research.

Seattle, Wash. A.B., Mills College, 1916.

MARY EDITH PINNEY,.....*Biology.*

Wilson, Kans. A.B., University of Kansas, 1908, and A.M., 1910. Teacher in High School, Alma, Kans., 1908-09; Teaching Fellow in Zoology, University of Kansas, 1909-10; Fellow in Biology, Bryn Mawr College, 1910-11; President's European Fellow and Student, Universities of Bonn and Heidelberg and Zoological Station, Naples, 1911-12; Instructor in Zoology, University of Kansas, 1912-13; Demonstrator in Biology, and Fellow by Courtesy in Biology, Bryn Mawr College, 1913-14, and Demonstrator in Biology, 1914-17.

MARY RHYS,.....*English.*

Blandford, Dorset, England. M.A., with Honours in English, Glasgow University, 1915. British Graduate Scholar, Bryn Mawr College, 1915-16.

ANNABELLA ELLIOTT RICHARDS,.....*Chemistry.*

Merion, Pa. A.B., Bryn Mawr College, 1907. Scholar in Chemistry, Bryn Mawr College, 1908-09, Graduate Student, 1909-11, 1916-17. Teacher of Physiology in the Girls' High School, Philadelphia, 1910-11; Assistant in Chemistry, Barnard College, 1911-12; Graduate Student in Chemistry, Johns Hopkins University, 1912-13; Chemical Assistant in Medicine, Johns Hopkins University, 1914-15; Demonstrator in Chemistry and Assistant in Clinical Pathology, Woman's Medical College of Pennsylvania, 1915-17.

CAROLINE CLARK ROE,.....*Graduate Scholar in History.*

Jamestown, N. Dak. A.B., Wells College, 1916.

JOANNA PUGH ROSS,.....*Graduate Scholar in Economics.*

Norristown, Pa. A.B., Bryn Mawr College, 1916.

PAULINE ADELAIDE SHOREY,.....*Graduate Scholar in Biology.*

Dover, N. H. A.B., Wellesley College, 1916.

ELIZABETH KLINE STARK,.....*Psychology, Education, and Physics.*

Rochester, N. Y. A.B., Bryn Mawr College, 1916. Assistant Demonstrator in Experimental Psychology, 1916-17.

EVELYN MARIE SUMPTION,.....*Earlham College Scholar.*

Kendallville, Ind. A.B., Earlham College, 1916.

HILDRED THOMSON,.....*Graduate Scholar in Biology.*

Walton, N. Y. B.S., Geneva College, 1916.

ELISE TOBIN,.....*Graduate Scholar in Chemistry.*

Brooklyn, N. Y. B.S., Barnard College, 1915. Graduate Scholar in Chemistry, Bryn Mawr College, 1915-16.

LYDIAN TSCHARNER,.....*English and Education.*

Portland, Ore. B.L., Mills College, 1916.

BIRD MARGARET TURNER,.....*Graduate Scholar in Mathematics.*

Moundsville, W. Va. A.B., West Virginia University, 1915.

HELEN EDITH TYSON,.....*Graduate Scholar in Spanish.*

Kitchawan, N. Y. A.B., Bryn Mawr College, 1916.

MYRTLE VAN WYE,.....*Education.*

Warren, O. A.B., Mount Holyoke College, 1914; A.M., Radcliffe College, 1915. Tutor in Mathematics, Radcliffe College, and Assistant to Professor Osgood, Harvard University, 1915-16.

AMEY EATON WATSON,*.....*Social Economy and Social Research.*

Haverford, Pa. A.B., Women's College in Brown University, 1907; A.M., University of Pennsylvania, 1910. Teacher in Miss Wheeler's School, Providence, R. I., 1907-08; Instructor in the Department of Social Science, University of Utah, 1912.

* Mrs. Frank D. Watson.

- MARY BOYDE WESNER,.....*Latin*.
 Bryn Mawr, Pa. A.B., Bryn Mawr College, 1910. Graduate Student, Columbia University, 1914-15; Teacher of English and Latin in Oaksmere School, New Rochelle, N. Y., 1910-12; Teacher of English in Bishop's School, La Jolla, Cal., 1912-13; Private Tutor, 1913-15; Teacher of English in the Merrill School, Mamaroneck, N. Y., 1914-15, of Latin in the Concord School for Girls, Concord, Mass., 1915-16, and in Miss Wright's School, Bryn Mawr, Pa., 1916-17.
- HELEN EMMA WIEAND,.....*Latin*.
 Pottstown, Pa. A.B., Mount Holyoke College, 1906, and A.M., 1908. Graduate Scholar in Latin and Archæology, Bryn Mawr College, 1907-09; Teacher of Latin and German in the High School, Phoenixville, Pa., 1909-10; Student in Pottstown Business College, 1910-11; Secretary to the Dean of the Philadelphia College of Pharmacy, 1911; Instructor in Latin in Wheaton College, Norton, Mass., 1911-13, and Assistant Professor, 1913-15.
- MABEL PAULINE WOLFF,.....*Economics and Politics*.
 Myerstown, Pa. A.B., Barnard College, 1905; A.M., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06; Allentown College for Women, 1906-07; Paulsboro High School, Gloucester City, N. J., 1907-11; Washington Seminary, Washington, Pa., 1911-14, Leominster High School, Leominster, Mass., 1915-16.
- EDITH ARMSTRONG WRAY,.....*English*.
 Shelbyville, Ind. A.B., Goucher College, 1913. Teacher in the High School, Shelbyville, 1914-16.
- CAROLYN BALLINGER YATES,.....*Guilford College Scholar*.
 Guilford, N. C. A.B., Guilford College, 1916.

Former Holders of European Fellowships.

- BALCH, EMILY GREENE,.....130 Prince Street, Jamaica Plain, Mass.
 Holder of the Bryn Mawr European Fellowship, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin. Student, Conservatoire des Arts et des Métiers, Paris, 1890-91; University of Chicago, 1895; University of Berlin, 1895-96; Member of Board of Trustees for Children of the City of Boston, 1897-98; Assistant in Economics, Wellesley College, 1896-97, Instructor, 1897-1903, Associate Professor, 1903-13; Professor of Political Economy and Political and Social Science, 1913-16; Member, City Planning Board, Boston, 1914-16; Delegate to International Congress of Women at the Hague, 1915, and Envoy from this Congress to the governments of Denmark, Norway, Sweden, and Russia.
- BECKER, AMANDA FREDERICKA, 5709 Von Versen Avenue, St. Louis, Mo.
 Holder of the President's European Fellowship, 1903-04. B.Sc., Missouri State University, 1901, and A.M., 1902. Holder of Teaching Fellowship, Missouri State University, 1901-02; Graduate Scholar, Bryn Mawr College, 1902-03; Student, University of Göttingen, 1903-04; Teacher of Mathematics in the Yeatman High School, St. Louis, 1904-08, and in the Soldan High School, St. Louis, 1909-11.
 Married, 1911, *Mr. William Hardy Montague*.
- BILLMEYER, HELEN MAY,.....250 Midland Avenue, Montclair, N. J.
 Holder of the Bryn Mawr European Fellowship, 1902-03. A.B., Bryn Mawr College, 1902, group, History and Political Science; University of Berlin, 1903-04; Private Tutor, 1910-11; Teacher in the Baldwin School, Bryn Mawr, 1911-13, and House Mistress, 1914-17.
- BLEY, HELEN MÜLLER,.....Rue Sophocles, 1 A, Athens, Greece.
 Holder of the Bryn Mawr European Fellowship, 1910-11. A.B., Bryn Mawr College, 1910, group, Greek and Latin. Student, University of Munich, 1910-12; University of Athens, 1912-13; Private Tutor, 1913-14; Teacher of Latin, Greek, and Ancient History in St. Margaret's School, Waterbury, Conn., 1914-15; Translator in U. S. Department of Agriculture, Washington, 1915-16.
 Married, 1916, *Mr. Evangelos Papanastasiou*.
- BONTECOU, MARGARET,.....150 Highland Avenue, Orange, N. J.
 Holder of the Bryn Mawr European Fellowship, 1909-10. A.B., Bryn Mawr College, 1909, group, History and Economics and Politics. Student, Universities of Munich and Oxford, 1910-11; Private Tutor and Settlement Worker, 1911-13; Private Secretary and Tutor, 1913-14; Warden of Denbigh Hall, and Graduate Student, Bryn Mawr College, 1914-17.

BORING, ALICE MIDDLETON, University of Maine, Orono, Me.

Holder of the Mary E. Garrett European Fellowship, 1907-08. A.B., Bryn Mawr College, 1904, group, Chemistry and Biology, A.M., 1905, and Ph.D., 1910, subjects, Zoology and Physiology. Graduate Scholar in Biology, and Assistant in the Biological Laboratory, Bryn Mawr College, 1904-05; Moore Fellow in Zoology, University of Pennsylvania, 1905-06; Fellow in Biology, Bryn Mawr College, 1906-07; Instructor in Zoology, Vassar College, 1907-08; Student, University of Würzburg, and Zoological Station, Naples, 1908-09; Instructor in Zoology, University of Maine, 1909-11, Assistant Professor, 1911-13, and Associate Professor of Biology, 1913-17.

BOURLAND, CAROLINE BROWN, 10 West Street, Northampton, Mass.

Holder of the Mary E. Garrett European Fellowship, 1900-01. A.B., Smith College, 1893; Ph.D., Bryn Mawr College, 1905, subjects, Spanish, Old French, and Italian, Teacher of French and German in Mrs. Starrett's School, Oak Park, Ill., 1895-96, and in the High School, Peoria, 1896-97; Student, Sorbonne and College de France, 1897-98; Fellow in Romance Languages, Bryn Mawr College, 1898-99; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1899-1900, 1901-02; Student in Romance Languages, Madrid, Spain, 1900-01; Instructor in Spanish and French, Smith College, 1902-06, Associate Professor, 1906-13, and Professor, 1913-17.

BREED, MARY BIDWELL, 5317 Westminister Street, Pittsburgh, Pa.

Holder of the Bryn Mawr European Fellowship, 1894-95. A.B., Bryn Mawr College, 1894, group, Chemistry and Biology, A.M., 1895, and Ph.D., 1901, subjects, Chemistry and Mathematics. Graduate Student and Assistant in the Chemical Laboratory, Bryn Mawr College, 1894-95; Student in Chemistry, University of Heidelberg, 1895-96; Professor of Science, Pennsylvania College for Women, 1897-99; Fellow by Courtesy and Graduate Scholar in Mathematics, Physics, and Chemistry, Bryn Mawr College, 1899-1901; Dean of Women and Assistant Professor of Chemistry, Indiana University, 1901-06; Student in Paris and Italy, 1909-10; Adviser of Women, University of Missouri, 1906-12; Associate Head and Teacher of English, St. Timothy's School, Catonsville, Md., and Alumnae Director, Bryn Mawr College, 1912-13; Dean of the Margaret Morrison Carnegie School of the Carnegie Institute of Technology, Pittsburgh, 1913-17.

BROOKS, HARRIET, 990 Queen Mary's Road, Montreal, Canada.

Holder of the President's European Fellowship, 1902-03. A.B., McGill University, 1898, and A.M., 1901. Graduate Student, McGill University, 1898-99; Tutor in Mathematics, and Research Student in Physics, Royal Victoria College, 1899-1901; Fellow in Physics, Bryn Mawr College, 1901-02; Student, University of Cambridge, England, 1902-03; Lecturer in Mathematics, Royal Victoria College of McGill University, Montreal, 1903-04; Tutor in Physics, Barnard College, 1904-06; Research Student, Sorbonne, 1906-07.

Married, 1907, *Mr. Frank H. Pitcher*. One daughter, two sons.

BROWN, VERA LEE, Centreville, New Brunswick, Canada.

Holder of the President's European Fellowship, 1914-15. B.A., McGill University, 1912, and M.A., 1913. Graduate Scholar in History, Bryn Mawr College, 1913-14, and Graduate Scholar and Fellow by Courtesy, 1914-15; Substitute Teacher in Montreal Public Schools and Assistant to Professor of History, McGill University, 1912-13; Assistant to the Warden of Pembroke Hall, March to June, 1916; Sessional Lecturer, McGill University, 1916-17.

BROWNELL, LOUISE SHEFFIELD, Clinton, N. Y.

Holder of the Bryn Mawr European Fellowship, 1893-94. A.B., Bryn Mawr College, 1893, group, Greek and Latin. Student in Greek and English, University of Oxford, England, and University of Leipsic, 1893-94; Graduate Student in Greek, Columbia College, 1894-95, and Graduate Student in English, 1895-96; Graduate Student in Greek and English, Bryn Mawr College, 1896-97; Warden of Sage College, and Lecturer in English Literature, Cornell University, 1897-1900; Associate Head of the Balliol School, Utica, N. Y., 1900-05; Private Tutor, 1905-17.

Married, 1900, *Mr. Arthur Percy Saunders*. Two daughters, two sons.

BRUSSTAR, MARGARET ELIZABETH, . . 708 North 63rd Street, Philadelphia.

Holder of the Mary E. Garrett European Fellowship, 1911-12. A.B., Bryn Mawr College, 1903, group, Latin and Mathematics. Teacher of Latin and Mathematics in Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-08, Graduate Student, Bryn Mawr College, 1906-07, 1908-09, Graduate Scholar in Mathematics, 1907-08; Fellow in Mathematics, 1910-11; Student, University of Göttingen, 1911-12; Head of Department of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1908-10, 1912-17.

CADY, MARY LOUISE, 48 North Church Street, Decatur, Ga.

Holder of the Mary E. Garrett European Fellowship, 1906-07. A.B., Radcliffe College, 1904, and A.M., 1905. Graduate Scholar in Greek, Bryn Mawr College, 1904-05; Fellow

in Greek, Bryn Mawr College, 1905-06; Student, University of Berlin, 1906-07; Teacher in the Agnes Scott College, Decatur, Ga., 1907-08, Professor of Greek, 1908-10, and Professor of History, 1910-17.

CAM, NORA, Paulers Pury Rectory, Towcester, England.

Holder of the Bryn Mawr European Fellowship, 1912-13. A.B., Bryn Mawr College, 1912, and A.M., 1913. Graduate Scholar in Mathematics, Bryn Mawr College, 1912-13; Teacher of Mathematics in the Baldwin School, Bryn Mawr, 1911-13; Student, University of Rome, 1913-14; Teacher in Miss Edgar's School, Montreal, Canada, 1914-16; Worker in Aeroplane Engine Factory, Scotland, 1916-17.

CAMPBELL, GERTRUDE HILDRETH, . . . 71 Sycamore Street, Providence, R. I.

Mary E. Garrett European Fellow, 1914-15. A.B., Brown University, 1911, and A.M., 1912. Tutor in English, Brown University, 1912; Graduate Scholar in English, Bryn Mawr College, 1912-13; Fellow in English, 1913-14; Graduate Scholar and Fellow by Courtesy, 1914-15; Student in the British Museum, London, 1915-16.

CLAFLIN, EDITH FRANCES, 17 Felton Hall, Cambridge, Mass.

Holder of the Mary E. Garrett European Fellowship, 1899-1900. A.B., Radcliffe College, 1897; Ph.D., Bryn Mawr College, 1906, subjects, Greek and Latin. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1897-98, and Graduate Student, 1898-99; Student at the American School of Classical Studies, Athens, 1899-1900; Private Research Work, Harvard University Library, 1900-01; Instructor in Literature in the Prospect Hill School, Greenfield, Mass., 1901-02, and in Classics and Classical History, 1902-07; Instructor in Greek and Latin, and Head of the Classical Department, Monticello Seminary, Godfrey, Ill., 1907-13; Instructor in Latin and the History of Art in the Courtland School, Bridgeport, Conn., 1913-14; Instructor in Greek and Latin in the Laurel School, Cleveland, O., 1914-16; Tutor in Greek, Latin, and Mathematics, Rosemary Hall, Greenwich, Conn., 1916-17.

COULTER, CORNELIA CATLIN, 207 Adams Avenue, Ferguson, Mo.

Holder of the President's European Fellowship, 1908-09. A.B., Washington University, 1907; Ph.D., Bryn Mawr College, 1911, subjects, Latin and Greek. Graduate Scholar in Latin, Bryn Mawr College, 1907-08, Fellow in Latin, 1909-10, and Fellow in Greek, 1910-11; Student, University of Munich, 1908-09; Reader in Latin, Bryn Mawr College, 1911-12; Teacher of Latin in St. Agnes School, Albany, N. Y., 1912-16; Instructor in Latin, Vassar College, 1916-17.

DARKOW, MARGUERITE DAISY,

6145 Jefferson Street, Apartment B, Philadelphia.

Holder of Bryn Mawr European Fellowship, 1915-16. A.B., Bryn Mawr College, 1915, group, Mathematics and Physics. Teacher of Mathematics and Science in Tudor Hall, Indianapolis, Ind., 1915-16; Graduate Student in Physics and Mathematics, Johns Hopkins University, 1916-17.

D'EVELYN, CHARLOTTE, 312 Phelan Building, San Francisco, Cal.

Holder of the Mary E. Garrett European Fellowship, 1915-16. B.L., Mills College, 1911; University of California, summer, 1912. Teacher in the Public Schools, Bloomington, Idaho, Jan.-June, 1912, and in Sanger, Cal., 1912-13; Graduate Scholar in English, Bryn Mawr College, 1913-15, and Fellow in English, 1916-17; Student in the British Museum, London, 1915-16.

DODD, KATHARINE, 18 Concord Avenue, Cambridge, Mass.

Holder of the Bryn Mawr European Fellowship, 1914-15. A.B., Bryn Mawr College, 1914. Teacher in Miss Haskell's School, Boston, 1914-16.

DUROR, CAROLINE AUSTIN, Died, 1916.

Holder of the President's European Fellowship, 1915-16. B.S., Barnard College, 1914. Graduate Scholar in Geology, Bryn Mawr College, 1914-15; Student, University of Chicago, 1915-16.

EDDINGFIELD, JUNE CHRISTINA, New Ross, Ind.

Holder of the Ottendorfer Memorial Research Fellowship, 1914-15. Fellow in German, 1913-14. A.B., University of Indiana, 1906. Student, University of Indiana, Summer Semesters, 1908, 1910, 1911, 1912. Assistant Principal of the High School, Swayzee, Ind., 1906-08; Head of German Department in the High School, Elwood, Ind., 1908-12; Graduate Scholar in German, Bryn Mawr College, 1912-13; Teacher of German in the High School, Wingate, Ind., 1914-15, and in the High School, Mishawaka, Ind., 1915-17.

ELLIS, ELLEN DEBORAH, . . . Mount Holyoke College, South Hadley, Mass.

Holder of the Bryn Mawr European Fellowship, 1901-02. A.B., Bryn Mawr College, 1901, group, History and Political Science, A.M., 1902, and Ph.D., 1905, subjects, Economics and Politics and History. Graduate Student, Bryn Mawr College, 1901-02, 1903-04;

Fellow in Economics and Politics, 1904-05; Student, University of Leipsic, 1902-03; Instructor in History, Mount Holyoke College, 1905-08; Associate Professor and Acting Head of the Department of History, 1908-09; Associate Professor of Pure Economics and Political Science, 1909-11, and Associate Professor of History and Political Science, 1911-17; on leave of absence and Teacher of History in the American College, Constantinople, 1913-15.

EMERY, ANNE CROSBY, 163 George Street, Providence, R. I.

Holder of the Bryn Mawr European Fellowship, 1892-93. A.B., Bryn Mawr College, 1892, group, Greek and Latin, and Ph.D., 1896, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1892-93; Student, University of Leipsic, 1893-94; Secretary to the President, and Graduate Student, Bryn Mawr College, Second Semester, 1894-95, and 1895-96; Dean of Women and Assistant Professor of Classical Philology, University of Wisconsin, 1897-1900; Dean of the Women's College in Brown University, 1900-05; Alumnae Member of the Board of Directors of Bryn Mawr College, 1906-09; Writer and Lecturer, 1913-16.

Married, 1905, *Professor Francis Greenleaf Allinson.*

FLEISHER, ELEANOR LOUIE, 1715 Spruce Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1903-04. A.B., Bryn Mawr College, 1903, group, English and German. Graduate Student, Bryn Mawr College, 1903-04, 1906-07.

Married, 1908, *Dr. David Riesman.* Two sons.

FOSTER, FRANCES ALLEN, 381 Angell Street, Providence, R. I.

Holder of the Mary E. Garrett European Fellowship, 1912-13. A.B., Brown University, 1909, Ph.D., Bryn Mawr College, 1913, subjects, English Philology, English Literature and Old French. Scholar in English, Bryn Mawr College, 1909-11; Fellow in English, 1911-12; Student in London and Oxford, 1912-13; Research Scholar and Fellow by Courtesy in English and Assistant to the Warden of Pembroke Hall, 1913-14; Instructor in English, Carleton College, Northfield, Minn., 1914-17.

GIBBONS, VERNETTE LOIS, Mills College P. O., Cal.

Holder of the President's European Fellowship, 1912-13. Sc.B., Mount Holyoke College, 1896, and A.B., 1899; M.Sc., University of Chicago, 1907; M.Sc., University of the Cape of Good Hope, 1908. Teacher in the High School, Bernardstown, Mass., 1896-97; Assistant in Chemistry, Mount Holyoke College, 1897-99, and Instructor in Chemistry, 1899-1901; Instructor in Chemistry and Mineralogy, Wells College, 1902-04, and Associate Professor of Chemistry, 1905-06; Lecturer and Head of Department of Chemistry, Huguenot College, Wellington, South Africa, 1907-11, and on leave of absence, 1911-12; Fellow in Chemistry, Bryn Mawr College, 1911-12; Student, University of Munich, 1912-13; and Graduate Student, Bryn Mawr College, 1913-14; Helen Schaeffer Huff Research Fellow in Physics, 1914-15; Professor of Chemistry, Mills College, 1915-17.

GILES, ELLEN ROSE, Died, 1914.

Holder of the President's European Fellowship, 1897-98. A.B. and A.M., Bryn Mawr College, 1896, group, Greek and Semitic Languages. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1896-97, and Graduate Scholar in Philosophy, 1897-98; Student in Philosophy, University of Berlin, 1898-99, and Sorbonne, 1899; Private Tutor, 1899-1901; Editorial and Journalistic Work, 1901-06.

HALL, EDITH HAYWARD, 3715½ Chestnut Street, Philadelphia.

Holder of the Mary E. Garrett European Fellowship, 1903-04. A.B., Smith College, 1899; Ph.D., Bryn Mawr College, 1908, subjects, Archæology and Greek. Teacher of Greek and History in Woodstock Academy, Woodstock, Conn., 1899-1900; Teacher of Latin and Greek in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01 and 1905-09; Graduate Student, Bryn Mawr College, 1900-01, 1905-09, and Graduate Scholar, 1901-03; Holder of the Agnes Hoppin Memorial Fellowship and Student at the American School of Classical Studies, Athens, 1903-05; Instructor in Archæology, Mount Holyoke College, Second Semester, 1908-09, 1909-11; excavating in Eastern Crete, Second Semester, 1910-11, 1911-12; Assistant Curator, University Museum, Philadelphia, 1912-15.

Married, 1915, *Mr. Joseph M. Dohan.*

HAMILTON, EDITH, 1312 Park Avenue, Baltimore, Md.

Holder of the Mary E. Garrett European Fellowship, 1895-96. A.B. and A.M., Bryn Mawr College, 1894, group, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1894-95; Student, Universities of Leipsic and Munich, 1895-96; Head Mistress of the Bryn Mawr School, Baltimore, 1896-1917.

- HAMILTON, MARGARET, 1312 Park Avenue, Baltimore, Md.
Holder of the Bryn Mawr European Fellowship, 1897-98. A.B., Bryn Mawr College, 1897, group, Chemistry and Biology. Student, Collège de France and University of Munich, 1898-99; Teacher of Science, Bryn Mawr School, Baltimore, 1900-10, and Head of the Primary Department, 1910-17.
- HANNA, MARY ALICE, 445 West 14th Street, Trenton, Mo.
Holder of the Mary E. Garrett European Fellowship, 1913-14. A.B., University of Missouri, 1909, and B.S., 1911. Teacher in the High School, Vandalia, Mo., 1909-11; Graduate Student, Bryn Mawr College, 1911-12, and Fellow in History, 1912-13; Research Student in the British Museum, 1913-14; Fellow by Courtesy and Graduate Scholar in History, Bryn Mawr College, 1914-15, and Fellow by Courtesy, 1915-16; Head of Department of History, The Shipley School, Bryn Mawr, Pa., 1915-17.
- HARDY, CORA, 105 East 19th Street, New York City.
Holder of the Bryn Mawr European Fellowship, 1899-1900. A.B., Bryn Mawr College, 1899, group, Latin and French. Student at the Sorbonne, Collège de France and University of Oxford, 1899-1900; Teacher of Greek and English in Ward Seminary, Nashville, Tenn., and Graduate Student, Vanderbilt University, 1902-03; Teacher of English and Literature in St. Timothy's School, Catonsville, Md., 1903-06.
Married, 1906, *Mr. Edwin Seton Jarrett*. Two sons.
- HARMON, ESTHER, 124 West 11th Street, New York City.
Holder of the President's European Fellowship, 1907-08; Holder of the Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1909-10. A.B., University of Michigan, 1906. Ph.D., Bryn Mawr College, 1912, subjects, German Literature, Teutonic Philology and Modern History. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-08; Fellow in German, Bryn Mawr College, 1908-09; Student, University of Munich, 1909-10; Teacher in the High School, Toledo, O., 1910-12; Instructor in German, Normal College of New York, 1912-15.
- HARRISON, JANE ANNETTA, La Plata, Mo.
Holder of the Ottendorfer Memorial Research Fellowship, 1910-11. A.B. and B.S., University of Missouri, 1906, and A.M., 1907. Scholar in Germanic Languages, University of Missouri, 1906-07, and Graduate Student, 1908-09; Teacher in the High School, Sedalia, Mo., 1907-08; Fellow in German, Bryn Mawr College, 1909-10; Student in Universities of Berlin and Heidelberg, 1910-11; Teacher in the High School, St. Charles, Mo., 1911-13; Scholar and Fellow by Courtesy in German, Bryn Mawr College, 1913-14, and Graduate Student, 1915-16; Instructor in German in the Shipley School, Bryn Mawr, 1914-17, and Head of Department of German, 1916-17.
- HILL, VIRGINIA GREER, 3417 Race Street, Philadelphia.
Holder of the Bryn Mawr European Fellowship, 1907-08. A.B., Bryn Mawr College, 1907, group, Latin and Mathematics. Student, University of Zürich, 1907-08; Teacher of Latin and Mathematics in the Agnes Irwin School, Philadelphia, 1908-14.
Married, 1914, *Mr. Julian Alexander*.
- KING, HELEN MAXWELL, Smith College, Northampton, Mass.
Holder of the Mary E. Garrett European Fellowship, 1910-11. A.B., Olivet College, 1907, and A.M., 1908. Graduate Student, Bryn Mawr College, 1908-09; Fellow in Romance Languages, 1909-10. Private Secretary to the United States Minister to Siam, 1910-12; Graduate Scholar, Bryn Mawr College, Second Semester, 1912-13; Student, Sorbonne and Collège de France, 1913-14; Instructor in French Language and Literature, Smith College, 1914-17.
- LAIRD, ELIZABETH REBECCA, Mount Holyoke College, South Hadley, Mass.
Holder of the President's European Fellowship, 1898-99. A.B., University of Toronto, 1896; Ph.D., Bryn Mawr College, 1901, subjects, Physics and Mathematics. Teacher in Ontario Ladies' College, 1896-97; Fellow in Physics, Bryn Mawr College, 1897-98; Student, University of Berlin, 1898-99; Graduate Scholar and Fellow by Courtesy in Mathematics and Physics, Bryn Mawr College, 1900-01; Instructor in Physics, Mount Holyoke College, 1901-03, Acting Head of the Department of Physics, 1903-04, and Professor of Physics, 1904-17; on leave of absence, Sarah Berliner Research Fellow, and Student, University of Würzburg, 1913-14.
- LANGENBECK, CLARA, 3025 Fifteenth Street, Washington, D. C.
Holder of the President's European Fellowship, 1896-97. Ph.G., Cincinnati College of Pharmacy, 1890; S.B., University of Cincinnati, 1895. Fellow in Biology, Bryn Mawr College, 1895-96; Student, University of Marburg, 1896-98; Professor of Biology, Wells College, 1898-1901; Instructor in the Cincinnati College Preparatory School for Girls, 1901-11; Fellow by Courtesy and Graduate Scholar in Biology, Bryn Mawr College, 1911-12; Student, Johns Hopkins Medical School, 1912-14.

LEFTWICH, FLORENCE, Biltmore, N. C.

Holder of the Bryn Mawr European Fellowship, 1895-96. Wellesley College, 1884-85. A.B., Bryn Mawr College, 1895, group, French and Latin, and Ph.D., 1906, subjects, Old French, Latin and Spanish. Student, Sorbonne and Collège de France, 1895-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1896-98; Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1898-99; Holder of the European Fellowship of the Baltimore Association for the Promotion of the University Education of Women, and Student, University of Zürich, 1899-1900; Teacher of French in the Bryn Mawr School, Baltimore, Md., 1900-01; Graduate Student, Bryn Mawr College, 1902; Fellow in Romance Languages, Bryn Mawr College, 1902-03.

Married, 1903, *Mr. Samuel Prioleau Ravenel*.

LEWIS, FLORENCE PARTHENIA, 2435 North Charles Street, Baltimore, Md.

Holder of the President's European Fellowship, 1899-1900. A.B., University of Texas, 1897, and A.M., 1898; A.M., Radcliffe College, 1906; Ph.D., Johns Hopkins University, 1913. Fellow in Philosophy, Bryn Mawr College, 1898-99; Student, Sorbonne and Collège de France, 1899-1900; Teacher in the University Preparatory School, Austin, Tex., 1900-02; Student, University of Texas, 1901-03; Tutor in Mathematics, University of Texas, 1902-05; Fellow of the Baltimore Association for the Promotion of the University Education of Women, and Graduate Student, Johns Hopkins University, 1907-09; Fellow by Courtesy, Johns Hopkins University, 1912-13; Instructor in Mathematics, Goucher College, 1910-11, Assistant Professor of Mathematics, 1911-13, and Associate Professor of Mathematics, 1913-17.

LEWIS, MAYONE, 4324 Pine Street, Philadelphia.

Holder of the Bryn Mawr European Fellowship, 1908-09. A.B., Bryn Mawr College, 1908, group, Greek and Latin. Student, Universities of Munich and Paris, 1908-09; Teacher of English, Rosemary Hall, Greenwich, Conn., 1909-17; Farming, 1914-17.

LOWENGRUND, HELEN MOSS, . . . 1356 Madison Avenue, New York City.

Holder of the Bryn Mawr European Fellowship, 1906-07. A.B., Bryn Mawr College, 1906, group, Latin and English, and A.M., 1907. Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Scholar in English, 1907-08, and Graduate Student in English, 1909-10; Research Student in British Museum, 1910-11; Teacher of History in the Girls' High School, Philadelphia, 1909-10, and of English, 1911-15.

Married, 1915, *Mr. George W. Jacoby*.

MADDISON, ISABEL, 217 Roberts Road, Bryn Mawr, Pa.

Holder of the Mary E. Garrett European Fellowship, 1894-95. University College of South Wales and Monmouthshire, 1885-89; Girton College, University of Cambridge, England, 1889-92; Mathematical Tripos, First Class, 1892; Oxford Mathematical Final Honour School, 1892; B.Sc., University of London, Mathematical Honours, 1893; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics, Applied Mathematics and Physics; A.B., Trinity College, Dublin, 1905. Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Student in Mathematics, University of Göttingen, 1894-95; Assistant Secretary to the President, Bryn Mawr College, 1895-96; Secretary to the President, and Reader in Mathematics, 1896-1904; Assistant to the President and Reader in Mathematics, 1904-06, and Assistant to the President and Associate in Mathematics, 1906-10; Recording Dean and Assistant to the President, 1910-17.

MARTIN, EMILIE NORTON, Mount Holyoke College, South Hadley, Mass.

Holder of the Mary E. Garrett European Fellowship, 1897-98. A.B., Bryn Mawr College, 1894, group, Latin and Mathematics, and Ph.D., 1901, subjects, Mathematics and Physics. Graduate Student, Bryn Mawr College, First Semester, 1894-95, 1896-97, 1901-02, 1906-07; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., January-June, 1895; Fellow in Mathematics, Bryn Mawr College, 1895-96; Student, University of Göttingen, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1898-99; Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1899-1900; Private Tutor, 1899-1903; Instructor in Mathematics, Mount Holyoke College, 1903-04, First Semester, 1904-05, 1907-11, and Associate Professor of Mathematics, 1911-17.

MORSE, KATE NILES, 206 Lawrence Street, Haverhill, Mass.

Holder of the Mary E. Garrett European Fellowship, 1901-02. A.B., Mount Holyoke College, 1898, and A.M., 1900. Graduate Student, Bryn Mawr College, 1898-99; Fellow in Greek, Bryn Mawr College, 1900-01; Universities of Berlin and Munich, and American School of Classical Studies, Athens, 1901-02; Graduate Student, Radcliffe College, 1903, 1906-07.

NICHOLS, HELEN HAWLEY, 4422 Osage Avenue, Philadelphia.

Holder of the Mary E. Garrett European Fellowship, 1908-09. A.B., Marietta College, 1906; Ph.D., Bryn Mawr College, 1911, subjects, Hebrew, Aramaic and New Testament

Greek. Graduate Student, Bryn Mawr College, 1906-07, and Graduate Scholar in Semitic Languages, 1907-08, 1909-10; Student, University of Oxford, 1908-09; Instructor in Biblical History, Wellesley College, 1911-15; Instructor in Old Testament History, Philadelphia Training School for Religious Teachers, 1916-17.

Married, 1915, *Mr. Eugene Lyman Porter.*

NOWLIN, NADINE, 1144 Louisiana Street, Lawrence, Kans.

Holder of the President's European Fellowship, 1906-07. A.B. and A.M., University of Kansas, 1903. Fellow in Biology, Bryn Mawr College, 1905-06; Demonstrator in Biology, University of Kansas, 1906-08; Graduate Student, University of Munich, 1908-09; Zoological Station, Naples, 1909; Instructor in Zoology, University of Kansas, 1910-13, and Assistant Professor of Zoology, 1913-17.

PARK, MARION EDWARDS, 1529 Bolton Street, Baltimore, Md.

Holder of the Bryn Mawr European Fellowship, 1898-99. A.B., Bryn Mawr College, 1898, group, Greek and English, and A.M., 1899. Graduate Student, Bryn Mawr College, 1898-99, 1912-14; Graduate Student, Autumn Quarter, University of Chicago, 1900-01; American School of Classical Studies, Athens, Greece, 1901-02; Instructor in Classics, Colorado College, 1902-03, 1904-06, and Acting Dean of Women, 1903-04; Teacher in Miss Wheeler's School, Providence, R. I., 1906-09; Acting Dean of the College, Bryn Mawr College, 1911-12; Assistant Professor of Classics, Colorado College, 1914-15; Graduate Student, Johns Hopkins University, 1915-16; Fellow in Latin, Bryn Mawr College, 1916-17.

PARKHURST, HELEN HUSS, Chestnut Street, Englewood, N. J.

Holder of President's European Fellowship, 1913-14. A.B., Bryn Mawr College, 1911, and A.M., 1913. Teacher in the Dwight School, Englewood, 1911-12; Graduate Scholar in Philosophy, Bryn Mawr College, 1912-13; Student, University of Cambridge, 1913-14; Fellow in Philosophy, Bryn Mawr College, 1914-15; Honorary Fellow, Johns Hopkins University, 1915-16; Reader and Demonstrator in History of Art, Bryn Mawr College, 1916-17.

PARRIS, MARION, Low Buildings, Bryn Mawr, Pa.

Holder of Bryn Mawr College Research Fellowship, 1906-07. A.B., Bryn Mawr College, 1901, group, History and Political Science, and Ph.D., 1909, subjects, Economics and Politics and Philosophy. Private Tutor, 1901-02; Warden of Summit Grove, Bryn Mawr College, 1902-04, and of Rockefeller Hall, 1904-05; Graduate Student, Bryn Mawr College, 1902-05; Fellow in Economics, Bryn Mawr College, 1905-06; Student, University of Vienna, 1906-07; Reader in Economics and Politics, Bryn Mawr College, 1907-08, Associate in Economics and Politics, 1908-11, and Associate Professor, 1911-17; Chairman of Executive Committee of Bureau of Occupations for Trained Women, Philadelphia, 1912-15.

Married, 1912, *Professor William Roy Smith.*

PEEBLES, FLORENCE, 4224 Dryades Street, New Orleans, La.

Holder of the Mary E. Garrett European Fellowship, 1898-99. A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900, subjects, Morphology and Physiology. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-11; Scholar of the Woman's Table and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Student, University of Bonn, Summer, 1906; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-11, 1913-15; Holder of American Woman's Table in Zoological Station, Naples, Spring, 1907; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10, and Private Tutor, 1907-12, 1913-15; Fellow of the Association of Collegiate Alumnae, Boston Branch, and Student and Research Worker, Germany and France, 1912-13; Lecturer in Biology, Bryn Mawr College, as Substitute for Professor of Biology, Oct.-Dec., 1913; Professor of Biology, H. Sophie Newcomb Memorial College, Tulane University, 1915-17.

PERKINS, ELIZABETH MARY, 2429 Green Street, San Francisco, Cal.

Holder of the Bryn Mawr European Fellowship, 1900-01. A.B., Bryn Mawr College, 1900, group, Greek and Latin, and Ph.D., 1904, subjects, Latin and Greek. Graduate Student, Bryn Mawr College, 1900-01; Student, Universities of Berlin and Munich, 1901-02; Fellow in Latin, Bryn Mawr College, 1902-03; Teacher of Latin and German in the Western High School, Washington, 1903-04, of Latin, 1904-05, and of Greek and Latin, 1905-06; Instructor in Latin, Vassar College, 1906-07; Graduate Student, Columbia University, 1907-08; Tutor in Latin, High School Department, Normal College, New York City, 1907-09; on leave of absence, 1909-10.

Married, 1910, *Mr. Eric Charles William Scheel Lyders.* One daughter.

PINNEY, MARY EDITH, See page 23.

Holder of President's European Fellowship, 1911-12.

RAGSDALE, VIRGINIA, Jamestown, N. C.

Holder of the Bryn Mawr European Fellowship, 1896-97. S.B., Guilford College, 1892. Holder of Guilford Scholarship, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr College, 1893-97. A.B., Bryn Mawr College, 1896; Ph.D., 1906, subjects, Mathematics and Physics. Demonstrator in Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen, 1897-98; Teacher in the Bryn Mawr School, Baltimore, Md., 1898-1901; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02; Fellow in Mathematics, Bryn Mawr College, 1902-03; Teacher of Mathematics in Dr. J. Sachs's School for Girls, New York City, 1903-05, and in the Baldwin School, Bryn Mawr, Pa., 1906-11, Reader in Mathematics, Bryn Mawr College, 1908-10, and Fellow by Courtesy, 1910-11; Associate in Mathematics, North Carolina State Normal and Industrial College, Greensboro, N. C., 1911-17.

REIMER, MARIE, 420 West 118th Street, New York City.

Holder of the Mary E. Garrett European Fellowship, 1902-03. A.B., Vassar College, 1897, and Ph.D., Bryn Mawr College, 1903, subjects, Chemistry and Physiology. Graduate Scholar in Chemistry, Vassar College, 1897-98; Assistant in the Chemical Laboratory, Vassar College, 1898-99; Fellow in Chemistry, Bryn Mawr College, 1899-1900, 1901-02; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Student, University of Berlin, 1902-03; Lecturer in Chemistry, Barnard College, 1903-04, Instructor in Chemistry, 1904-09; Adjunct Professor of Chemistry, 1909-11, and Associate Professor, 1911-17.

ROE, ADAH BLANCHE, Kreuzbergweg, 17, Göttingen, Germany.

Ottendorfer Memorial Research Fellow, 1911-12, 1913-14. A.B., Woman's College of Baltimore, 1909. Scholar in German, Bryn Mawr College, 1909-11; Student, University of Berlin, 1911-12; Fellow in German, Bryn Mawr College, 1912-13; Student, University of Leipsic, 1913-14; Professor of German, Simpson College, Indianola, Iowa, 1914-15.

Married, 1915, *Dr. Herman Lommel*.

RUSK, FERN HELEN, 706 Stewart Road, Columbia, Mo.

Special European Fellow, 1915-16. A.B., University of Missouri, 1913, and A.M., 1914; Graduate Student, University of Missouri, 1913-14, 1915-16; Fellow in Archaeology, Bryn Mawr College, 1914-15; Assistant in History of Art and Classical Archaeology, University of Missouri, 1916-17.

SAMPSON, LILIAN VAUGHAN, 409 West 117th Street, New York City.

Holder of the Bryn Mawr European Fellowship, 1891-92. A.B., Bryn Mawr College, 1891, group, Mathematics and Physics, and A.M., 1894. Student, University of Zürich, 1892-93; Graduate Student, Bryn Mawr College, 1891-92, and 1893-99; Research Work in Biology, 1904-06.

Married, 1904, *Professor Thomas Hunt Morgan*. One son, three daughters.

SANDISON, HELEN ESTABROOK, Vassar College, Poughkeepsie, N. Y.

Holder of Special European Fellowship, 1909-10. A.B., Bryn Mawr College, 1906; A.M., 1907, and Ph.D., 1911, subjects, English Philology, English Literature, and Latin. Graduate Scholar, Bryn Mawr College, 1906-07, 1910-11; Assistant Principal of the High School, Brookville, Ind., 1907-08; Fellow in English, Bryn Mawr College, 1908-09; Student, University of Oxford, 1909-10; Reader in English, Bryn Mawr College, 1911-13; Instructor in English, Vassar College, 1913-17.

SCHAEFFER, HELEN ELIZABETH, Died, 1913.

Holder of the Mary E. Garrett European Fellowship, 1905-06. A.B., Dickinson College, 1903, and A.M., 1905; Ph.D., Bryn Mawr College, 1908, subjects, Physics and Pure and Applied Mathematics. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04, and Graduate Student in Physics, 1907-08, 1909-11; Fellow in Physics, Bryn Mawr College, 1904-05; Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07; Teacher in the Baldwin School, Bryn Mawr, 1907-08, 1910-12; Reader in Mathematics, Bryn Mawr College, Second Semester, 1909-10, 1911-12.

Married, 1908, *Dr. William Bashford Huff*. One son, one daughter († 1913).

SCHENCK, EUNICE MORGAN, Penygroes, Bryn Mawr, Pa.

Holder of President's European Fellowship, 1910-11. A.B., Bryn Mawr College, 1907, and Ph.D., 1913, subjects, Modern French Literature, Old French, and Spanish. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1910-11, and Fellow in Romance Languages, 1912-13; Student at the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12; Reader in French, Bryn Mawr College, 1913-14, Associate in French, 1914-16, and Teacher of French in the Phebe Anna Thorne Model School, 1913-16; Dean of the College and Associate Professor of Modern French Literature, 1916-17.

- SCHMIDT, GERTRUD CHARLOTTE**, Bryn Mawr, Pa.
Holder of the President's European Fellowship, 1904-05. B.L., University of Wisconsin, 1900; A.M., Radcliffe College, 1903; Ph.D., Bryn Mawr College, 1913, subjects, Teutonic Philology, German Literature and Sanskrit. Graduate Student, Radcliffe College, 1900-01, 1902-03; Assistant in German, Smith College, 1901-02; Graduate Student, Bryn Mawr College, 1903-05, 1906-09; Teacher of German in Miss Wright's School, Bryn Mawr, Pa., 1903-05, 1906-15; Student, University of Leipsic, 1905-06, University of Grenoble, Summer, 1905.
- SHEARER, EDNA ASTON**, 2 West Street, Northampton, Mass.
Holder of the President's European Fellowship, 1905-06. A.B., Bryn Mawr College, 1904, group, English and Philosophy, and Ph.D., Bryn Mawr College, 1914, subjects, Ethics, History of Philosophy and Psychology. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Student, Universities of Edinburgh and Aberdeen, 1905-06; Fellow in Philosophy, Bryn Mawr College, 1906-07; Teacher of English in the Baldwin School, Bryn Mawr, Pa., 1907-10, and Graduate Student, Bryn Mawr College, 1907-08, 1909-10; Reader in English, Bryn Mawr College, 1910-16, and in Philosophy, 1914-15; Instructor in Education, Smith College, 1916-17.
- SHIELDS, EMILY LEDYARD**, 36 Bedford Terrace, Northampton, Mass.
Holder of the Bryn Mawr European Fellowship, 1905-06. A.B., Bryn Mawr College, 1905, group, Greek and Mathematics, and A.M., 1906; Ph.D., Johns Hopkins University, 1915. Graduate Student, Bryn Mawr College, 1905-06; Recording Secretary and Appointment Secretary, Bryn Mawr College, 1906-07; Student, University of Oxford, and University of Berlin, 1907-08; Teacher of Greek and Mathematics in the Bryn Mawr School, Baltimore, Md., 1909-12, and of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1912-13; Graduate Student, Johns Hopkins University, 1913-15; Instructor in Latin, Smith College, 1915-17.
- SHIPLEY, KATHARINE MORRIS**, Bryn Mawr, Pa.
Holder of the Bryn Mawr European Fellowship, 1890-91. A.B., Bryn Mawr College, 1890, group, Latin and English. Student in Latin and English, University of Leipsic, 1890-91; Sorbonne and Collège de France, 1891-92; Newnham College, University of Cambridge, England, May Term, 1892; Associate Principal and Supervisor of English in the Misses Shipley's School, Bryn Mawr, Pa., 1894-1913, and Principal, 1913-16.
- STEVENS, NETTIE MARIA**, Died, 1912
Holder of the President's European Fellowship, 1901-02. A.B., Leland Stanford, Jr. University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903, subjects, Morphology and Physiology. Student, Hopkins Seaside Laboratory, Pacific Grove, Cal., summers, 1897, 1898, and 1899; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Zoological Station, Naples, 1901-02; University of Würzburg, 1902, 1908-09; Fellow in Biology, Bryn Mawr College, 1902-03; Research Fellow in Biology, First Semester, 1903-04; Reader in Experimental Morphology, 1904-05, and Associate in Experimental Morphology, 1905-12; Carnegie Research Assistant, 1904-06; Alice Freeman Palmer Research Fellow, on leave of absence, 1908-09.
- STITES, SARA HENRY**, Simmons College, Boston, Mass.
Holder of the President's European Fellowship, 1900-01. A.B., Bryn Mawr College, 1899, group, History and Political Science, A.M., 1900, and Ph.D., 1904, subjects, Economics and Politics and History. Graduate Scholar in History and Political Science, Bryn Mawr College, 1899-1900; Student at the Sorbonne and Collège de France, 1900-01; University of Leipsic, 1901-02; Graduate Scholar and Fellow by Courtesy in Political Science, Bryn Mawr College, 1902-04; Co-Principal of the Wilkes Barre Institute, Wilkes Barre, Pa., 1904-13; Instructor in Economics, Simmons College, 1912-15, and Assistant Professor, 1915-17.
- STODDARD, YVONNE**, 197 Beacon Street, Boston, Mass.
Holder of the Bryn Mawr European Fellowship, 1913-14. A.B., Bryn Mawr College, 1913, group, Latin and English. University of Oxford, 1915, 1915-16; Clerical Worker for American Fund for French Wounded, 1916-17.
- SWINDLER, MARY HAMILTON**, Low Buildings, Bryn Mawr, Pa.
Holder of the Mary E. Garrett European Fellowship, 1909-10. A.B., University of Indiana, 1905, A.M., 1906, and Ph.D., Bryn Mawr College, 1912, subjects, Greek, Latin and Archaeology. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Student, University of Berlin, and American School of Classical Studies, Athens, 1909-10; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12; Acting Dean of Women, University of Indiana, Summers, 1911, 1913; Reader in Latin, Bryn Mawr College, 1911-16; Demonstrator in Archaeology, 1912-17; Teacher of Latin in the Phebe Anna Thorne Model School, 1914-17; Instructor in Latin and Archaeology, 1916-17.

- TRAYER, HOPE**, 26 Oakland Terrace, Hartford, Conn.
Holder of the Mary E. Garrett European Fellowship, 1904-05. A.B., Vassar College, 1896; Ph.D., Bryn Mawr College, 1907, subjects, English and History. Graduate Student, Bryn Mawr College, and Private Tutor, Whitford, Pa., 1901-02; Graduate Scholar, Bryn Mawr College, and Teacher of English in Miss Wright's School, Bryn Mawr, Pa., 1902-03; Fellow in English, Bryn Mawr College, 1903-04; Student, University of Munich, 1904-05, and First Semester, 1905-06; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, Second Semester, 1905-06; Teacher of English in Huntington Hall, Los Angeles, Cal., 1906-09; Teacher of English Literature, Mills College, California, 1909-11, and Professor of English, 1911-17.
- TREDWAY, HELEN**, Crane Apartments, Mason City, Ia.
Holder of the Bryn Mawr European Fellowship, 1911-12. A.B., Bryn Mawr College, 1911, group, Physics and Chemistry, and A.M., 1912; Ph.D., University of Chicago, 1915. Graduate Scholar in Chemistry, Bryn Mawr College, 1911-12; Student of Chemistry, University of Göttingen, 1912-13; Fellow in Chemistry, University of Chicago, 1913-15; Private Research in Chemistry, 1916-17.
Married, 1916, *Dr. Evarts Ambrose Graham*.
- WADE, CLARA LOUISE WHIPPLE**, 646 Park Avenue, New York City.
Holder of the Bryn Mawr European Fellowship, 1904-05. A.B., Bryn Mawr College, 1904, group, Greek and Latin. Scholar in Latin, Bryn Mawr College, and Private Tutor, 1904-05; Student, University of Munich, 1905-06; Graduate Student, Bryn Mawr College, and Private Tutor, 1906-09; Teacher of Latin and German in the Misses Shipley's School, Bryn Mawr, Pa., 1907-10; Teacher of Latin and Greek in Miss Knox's School, Briarcliff Manor, N. Y., 1910-11, and in the Charlton School, New York City, 1911-17.
- WARREN, WINIFRED**, 805 Comstock Avenue, Syracuse, N. Y.
Holder of the Mary E. Garrett European Fellowship, 1896-97. A.B., Boston University, 1891, and A.M., 1894; Ph.D., Bryn Mawr College, 1898, subjects, Greek and Latin. Fellow in Latin, Bryn Mawr College, 1893-94, and Fellow by Courtesy in Latin, 1894-96; Student in Classical Philology, Universities of Munich and Berlin, 1896-97; Instructor in Latin, Vassar College, 1897-1902.
Married, 1902, *Mr. George Arthur Wilson*.
- WEUSTHOFF, ANNA SOPHIE**, 106 Northern Avenue, New York City.
Holder of Special Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1907-08. Holder of Ottendorfer Memorial Research Fellowship in Teutonic Philology, 1908-09. A.B., Woman's College of Baltimore, 1906. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1906-07; Student, University of Berlin, 1907-09; Alumnae Fellow of Goucher College and Graduate Student of Bryn Mawr College, 1909-10; Teacher of German in the Misses Shipley's School, Bryn Mawr, Pa., 1910-14.
Married, 1914, *Mr. Joseph Albert Mosher*.
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- Former Resident Fellows.*
- ALBERT, GRACE**, The College Inn, Bryn Mawr, Pa.
Fellow in History, 1903-04. A.B., Bryn Mawr College, 1897, group, Greek and Latin, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08, 1915-16; Graduate Scholar in History and Economics and Politics, 1902-03; Student, University of London, engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04; Head of Department of History in the Misses Shipley's School, Bryn Mawr, 1905-15; Teacher of History in the Agnes Irwin School, Philadelphia, 1916-17.
- ATKINSON, MABEL**, 28 Colville Square, Bayswater, London, England.
Fellow in Economics and Politics, 1902-03. A.M., Glasgow University, 1900. Holder of Research Studentship, London School of Economics, 1900-02; Classical Mistress, High School, Newcastle, England, 1903-04; Lecturer in Philosophy and Assistant to the Professor of Classics, Armstrong College, University of Durham, 1904-08; Member of the Board of Faculties, University of Durham, 1905-07; Honorary Secretary, Settlement Association, Newcastle-on-Tyne, 1906-07; Lecturer in Economics, King's College, London, 1908-15, and Lecturer in Economics to the Woman's Educational Association, London, 1910-17; Member of Boards of Studies in Economics and Sociology, London University, 1912-17; Tutor to Joint Board of London University and the Workers' Educational Association, 1910-17.
Married, 1914, *Mr. Andrew Robert Barrett Palmer*.

- AVEN, ANNA WARD, 401 East Market Street, Greenwood, Miss.
Fellow in Latin, 1908-09. A.B., Mississippi College, 1905. Graduate Student in Greek and Latin, Bryn Mawr College, 1906-07, and Graduate Scholar in Latin, 1907-08; Instructor in Latin, Hillman College, Clinton, Miss., 1905-06; Head of Normal Department, Mississippi State College for Women, 1909-10.
Married, 1910, *Mr. William Madison Whittington*. Two daughters (one † 1913), one son.
- BAKER, MABEL WHITMAN, 3100 Newark Street, Washington, D. C.
Fellow in Latin, 1896-97. Columbian University, 1893-95; Teacher in Norwood Institute, Washington, 1895-96; Teacher of Latin in the Western High School, Washington, 1897-1903.
Married, 1903, *Mr. Alfred Hulse Brooks*. One son, one daughter.
- BANCROFT, JANE M., 425 Cass Avenue, Detroit, Mich.
Fellow in History, 1885-86. Ph.B., Syracuse University, 1877, Ph.M., 1880, and Ph.D., 1884. Dean of Woman's College and Professor of French Language and Literature, Northwestern University, 1877-85; University of Zürich, 1886-87; Sorbonne and Collège de France, 1888.
Married, 1891, *Mr. George Orville Robinson*. († 1915.)
- BARNICLE, MARY ELIZABETH, 221 Messer Street, Providence, R. I.
Fellow in English, 1915-16. A.B., Brown University, 1913. Teacher in Evening School, Providence, 1910-11; Graduate Scholar in English, Bryn Mawr College, 1913-15, 1916-17, and Fellow by Courtesy in English, 1916-17.
- BARTLETT, HELEN, Vermejo Park, Colfax Co., New Mexico.
Fellow in English, 1893-94. Newnham College, University of Cambridge, England, 1889; studied in Berlin, 1882-84, and 1890. A.B., Bryn Mawr College, 1892, group, English and German, A.M., 1893, and Ph.D., 1896, subjects, English and German. Graduate Student, Bryn Mawr College, 1892-93, 1894-95; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1894-95; Instructor in German and French in the Portland Academy, Portland, Ore., 1896-97; Dean of Women, Head of the Modern Language Department and Assistant Professor of German in the Bradley Polytechnic Institute, Peoria, Ill., 1897-1904, Dean of Women, Head of the Modern Language Department, and Professor of German, 1904-09; Student, University of Berlin, 1905; Travelling in Europe, 1907-10, 1913-14, and in California and New Mexico, 1910-11.
- BECKWITH, MINNIE ADA, 30 Home Street, New London, Conn.
Fellow in Latin, 1903-04. A.B., University of Chicago, 1902. Graduate Scholar, University of Chicago, 1902-03; Graduate Student, Bryn Mawr College, 1907-08; Teacher of Latin and Greek in the Baldwin School, Bryn Mawr, Pa., 1904-12, and Head of Latin Department, 1912-17.
- BENNESON, CORA AGNES, 3 Phillips Place, Cambridge, Mass.
Fellow in History, 1887-88. A.B., University of Michigan, 1878, LL.B., 1880, and A.M., 1883. Graduate Student, Radcliffe College, 1897-1902; Attorney and Counsellor-at-Law, Cambridge, 1894-1917; Special Commissioner in Massachusetts, 1895-1917; Member of the Massachusetts Bar Association, 1915.
- BILLS, MARION ALMIRA, 234 Cutler Street, Allegan, Mich.
Fellow in Psychology, 1913-15. A.B., University of Michigan, 1908. Teacher in the Public School, Allegan, 1909-11; Graduate Scholar in Psychology, Bryn Mawr College, 1911-13.
- BLAKE, SUE AVIS, Merion Station, Pa.
Fellow in Physics, 1906-07. A.B., Bryn Mawr College, 1898, group, Mathematics and Physics, and A.M., 1900. Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Private Tutor, 1909-10; Instructor in Physics, Smith College, 1910-15; Demonstrator in Physics and Graduate Student, Bryn Mawr College, 1898-99, 1904-06, 1915-17.
- BLANCHARD, ELIZABETH MILLER, Bellefonte, Pa.
Fellow in Mathematics, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Mathematics. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1891-92; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1895-1908, and in Miss Irwin's School, Philadelphia, 1896-1908; Graduate Student, Bryn Mawr College, 1902-03; Assistant Manager of the Bellefonte Basket Shop, 1908-16.
Married, 1914, *Dr. Robert Mills Beach*.

- BORING, ALICE MIDDLETON**, See page 25.
Fellow in Biology, 1906-07.
- BOURLAND, CAROLINE BROWN**, See page 25.
Fellow in Romance Languages, 1898-99.
- BOWERMAN, HELEN COX**, Wilson College, Chambersburg, Pa.
Fellow in Archaeology, 1909-11. A.B., Mount Holyoke College, 1901; A.M., University of Rochester, 1903, and Ph.D., Bryn Mawr College, 1912, subjects, Classical Archaeology and Latin. Teacher of English and Latin in the High School, Macedon, N. Y., 1903-05; Instructor in Latin, Western College for Women, Oxford, O., 1905-07; Associate Professor of Latin, 1907-08; Graduate Scholar in Archaeology, Bryn Mawr College, 1908-09; Fellow by Courtesy, 1911-12; University of Bonn, Summer, 1910; American School of Classical Studies, Rome, 1910-11; Holder of '86 Fellowship of Mount Holyoke College, and Fellow by Courtesy, Bryn Mawr College, 1911-12; Instructor in Latin and Greek, Wilson College, 1912-16, and Associate Professor of Classics, 1916-17.
- BRAMHALL, EDITH CLEMENTINE**, Rockford College, Rockford, Ill.
Fellow in History, 1898-99. A.B., University of Indiana, 1895; A.M., University of Pennsylvania, 1896, and Ph.D., 1898; Teacher of History in the Manual Training High School, Indianapolis, Ind., 1899-1900; Instructor in History and Economics, Rockford College, 1900-02, and Professor, 1902-17.
- BROMBACHER, CAROLINE GARNAR**, 177 Woodruff Avenue, Brooklyn, N. Y.
Fellow in Greek, 1896-97. A.B., Barnard College, 1895. Assistant Teacher of Mathematics and Latin in the Erasmus Hall High School, Brooklyn, 1897-99, of Mathematics and Greek, 1899-1901, and of Greek, 1901-06; Graduate Student, Columbia University, 1903-04.
Married, 1906, *Mr. Sidney G. Stacey*.
- BROOKS, HARRIET**, See page 25.
Fellow in Physics, 1901-02.
- BROWNELL, JANE LOUISE**, Bristol, Conn.
Fellow in Political Science, 1893-94. A.B., Bryn Mawr College, 1893, group, History and Political Science, and A.M., 1894. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1894-1902, and Associate Mistress, 1897-1902; Associate Principal of Miss Florence Baldwin's School, Bryn Mawr, 1902-06; Head of the Baldwin School, Bryn Mawr, 1906-15.
- BRUSSTAR, MARGARET ELIZABETH**, See page 25.
Fellow in Mathematics, 1910-11.
- BURNLEY, MARY CLOYD**, 1029 Grove Street, Evanston, Ill.
Fellow in Chemistry, 1897-98. A.B., Woman's College of Baltimore, 1897, and A.M., 1899. Assistant in Chemistry, Vassar College, 1898-1900, and Instructor in Chemistry, 1900-1908; Research Fellow in Chemistry, Bryn Mawr College, 1908, 1908-09; Church Worker, 1911-13.
Married, 1909, *The Rev. James Madison Stifter*. Two daughters.
- BUTLER, ELSA MAY**,
433 Christian Street, Philadelphia, or 201 Westgate, Parkview, St. Louis, Mo.
Carola Woerishoffer Fellow in Social Economy and Social Research, 1915-16. A.B., Vassar College, 1905, and A.M., Washington University, 1914. Teacher in the High School, Neligh, Neb., 1905-06; in Akeley Hall, Grand Haven, Mich., 1906-08, and in Hasmer Hall, St. Louis, Mo., 1908-12; Chicago School of Civics, and Philanthropy, 1911; Assistant Head Worker of the Social Service Department of St. Louis Children's Hospital, 1912-15; Head Worker, Social Service Department, Hahnemann Hospital, Philadelphia, 1916-17.
- BYRNES, ESTHER FUSSELL**, 193 Jefferson Avenue, Brooklyn, N. Y.
Fellow in Biology, 1894-95. A.B., Bryn Mawr College, 1891, group, Chemistry and Biology, A.M., 1894, and Ph.D., 1898, subjects, Morphology and Physiology. Assistant in Biological Laboratory, Vassar College, 1891-93; Graduate Scholar in Biology, Bryn Mawr College, 1893-94, and Graduate Student in Biology, 1895-97; Special Student, Brooklyn Law School, St. Lawrence University, 1914-16; Teacher of Physiology and Zoology in the Girls' High School, Brooklyn, 1897-1917; Fellow of the New York Academy of Science.
- CADY, MARY LOUISE**, See page 25.
Fellow in Greek, 1905-06.

- CALDERHEAD, IRIS GALLANT,
21 Madison Place, Washington, D. C., or Marysville, Kans.
Fellow in English, 1912-13. A.B., Kansas University, 1910. Graduate Scholar in English, Bryn Mawr College, 1910-11; Teacher in the High School, Dayton, Wash., 1911-12; Assistant Principal of the High School, Marysville, and Teacher of English and History, 1913-15; Teacher in the High School, Wichita, Kans., 1915-16; Organizer for Congressional Union for Woman Suffrage, 1916-17.
- CAM, HELEN MAUD,.....Paulers Pury Rectory, Towcester, England.
Fellow in History, 1908-09. B.A., University of London, 1908, and M.A., 1909. Royal Holloway College, 1904-07. Assistant Mistress, Cheltenham Ladies' College, 1909-12; Assistant Lecturer in History, Royal Holloway College, 1912-17.
- CAMPBELL, GERTRUDE HILDRETH,.....See page 26.
Fellow in English, 1913-14.
- CHAMBERLAIN, ETHEL MARY,.....89 Migeon Avenue, Torrington, Conn.
Fellow in Philosophy, 1908-09. A.B., Lombard College, 1906; Ph.D., University of Chicago, 1911. Graduate Student, University of Chicago, 1906-08, 1910-11, and Fellow in Psychology, 1909-10; Volunteer Suffrage Worker, 1915-16.
Married, 1911, *Mr. Gail Quincy Porter*. Two sons.
- CLARK, MABEL PARKER,.....145 West 78th Street, New York City.
Fellow in English, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and English, and A.M., 1890. Reader in English, and Graduate Student, 1890-93; Graduate Student, Barnard College, 1893-94; Chairman of Local School Board, District 14, New York City, 1909-17; President of the Label Shop, Inc., 1913-16.
Married, 1894, *Dr. John Henry Huddleston* († 1915). Two daughters, one son.
- CLARKE, MARY PATTERSON,.....721 Illinois Street, Lawrence, Kans.
Fellow in History, 1906-07. A.B., University of Kansas, 1903, and A.M., 1905. Graduate Student, University of Kansas, 1904-05, and Fellow in History, 1905-06; Principal and Teacher of History in the High School, Carterville, Mo., 1907-08; Teacher of History in the High School, Perry, Okla., 1910-12; Teacher of History in Missouri Christian College, Camden Point, Mo., 1915-17.
- CLOUGH, IDA PRESCOTT,.....37 Cedar Street, Somerville, Mass.
Fellow in Latin, 1900-01. A.B., Radcliffe College, 1896, and A.M., 1900. Graduate Student, Radcliffe College, 1899-1900; University of Berlin, 1901-02.
- COLE, ANNA LEWIS,
The Piersonia, Baynton and High Streets, Germantown, Philadelphia.
Fellow in Romance Languages, 1895-96. A.B., Woman's College of Baltimore, 1892, and A.M., 1894. Student in English and French, Sorbonne, 1894-95; Head Teacher of Modern Languages, Winthrop Normal and Industrial College, Rock Hill, S. C., 1897-1903, 1904-05; Fellow in Romance Languages, University of Chicago, 1903-04; Head of French Department, Friends' Central School, Philadelphia, 1905-07; Graduate Student, Bryn Mawr College, 1906-07, 1910-11, and University of Pennsylvania, 1906-07; Teacher of French in Sweet Briar Institute, Sweet Briar, Va., 1907-08, and Head of French Department, 1908-10; Instructor in French in the Girls' High School, Philadelphia, 1910-15, and in the Germantown High School for Girls, 1915-17.
- COLIN, THÉRÈSE F.,.....Died, 1913.
Fellow in Romance Languages, 1893-94. Diplômée et agrégée, Collège de Neuchâtel, 1875; A.M., Leland Stanford, Jr., University, 1893; Ph.D., University of Pennsylvania, 1897; Officier de l'Instruction Publique, Paris, 1906; Muséum d'Histoire Naturelle, Paris, 1883-85; University of the City of New York, 1887-88; Reader in Romance Languages, and Graduate Student, Bryn Mawr College, 1894-96; Student in Romance Languages and Literature, Sorbonne, Collège de France, Ecole des Hautes Etudes, Ecole des Chartes, Paris, 1895; Head of French Department in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1896-1904; Associate Professor of French, Wellesley College, 1904-06, Professor-Elect, 1906-07, and Professor of French Language and Literature, 1907-13, and Head of the Department of French, 1905-13; Professor of French Language and Literature, University Extension Department of Harvard University, 1910-11.
Married, —, *Mr. Alfred Colin* († 1900).
- COOPER, ELVA,.....4521 Nineteenth Avenue, S. E., Seattle, Wash.
Fellow in Mathematics, 1907-08. A.B., University of Wisconsin, 1904, and A.M., 1906. Student in Mathematics, University of Wisconsin, 1905-06, Graduate Scholar in Mathematics, and Teacher of Mathematics, 1906-07; Instructor in Mathematics, University of Washington, 1908-10, and University of Colorado, 1910-13.
Married, 1913, *Professor Carl Edward Magnusson*.

COULTER, CORNELIA CATLIN, See page 26.
Fellow in Latin, 1909-10; Fellow in Greek, 1910-11.

CRAWFORD, THYRA, 2213 Mt. Vernon Street, Philadelphia.
Fellow in German, 1911-12. A.B., Goucher College, 1903; A.M., University of Minnesota, 1910. Graduate Student, University of Minnesota, 1908-10; Teacher in the High School, Ada, Minn., 1903-04; Principal of the High School, Excelsior, Minn., 1904-11; Instructor in German, William Penn High School for Girls, Philadelphia, 1912-17.

CUMMINGS, LOUISE DUFFIELD, Vassar College, Poughkeepsie, N. Y.
Fellow in Mathematics, 1898-99. A.B., University of Toronto, 1895, and A.M., 1902; Ph.D., Bryn Mawr College, 1914, subjects, Mathematics, Applied Mathematics and Physics. Fellow, University of Pennsylvania, 1896-97; Examiner in Mathematics, University of Toronto, 1897; Graduate Student, University of Chicago, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1900; Instructor in Mathematics, St. Margaret's College, Toronto, Ont., 1901-02; Graduate Scholar, Bryn Mawr College, First Semester, 1905-06; Instructor in Mathematics, Vassar College, 1902-15, and Assistant Professor, 1915-17.

DARKOW, ANGELA CHARLOTTE,
568 West Montgomery Avenue, Bryn Mawr, Pa.
Fellow in Greek, 1912-14. A.B., Bryn Mawr College, 1911, and A.M., 1912. Graduate Scholar in Greek, Bryn Mawr College, 1911-12; Private Tutor, 1914-17; Teacher in Miss Wright's School, Bryn Mawr, 1916; Academic Principal of the Harcum School, Bryn Mawr, 1916-17.

DAVIS, SARAH WHITE, Lapeer, Mich.
Fellow in History, 1910-11. A.B., Mount Holyoke College, 1909, and A.M., 1910. Graduate Student, Mount Holyoke College, 1909-10; Mary E. Woolley Fellow of Mount Holyoke College and Student, University of Oxford, 1911-12; Teacher of History, Virginia College, Roanoke, Va., 1913-14; Instructor in History, Margaret Morrison Carnegie School, Carnegie Institute of Technology, Pittsburgh, Pa., 1914-16.

DAVIS, ELIZABETH LOUISE, Jeffersonville, Ind.
Fellow in Latin, 1915-16. A.B., Indiana University, 1910, and A.M., 1914. Assistant Principal of the Second High School, Gaston, Ind., 1910-11, and Principal of the High School, 1911-12; Teacher of Latin in the High School, Jeffersonville, Ind., 1913-15, and in the Emmerich Manual Training High School, Indianapolis, 1916-17.

DAW, ELIZABETH BEATRICE, See page 18.
Fellow in English, 1914-15.

DE BEAUREGARD, ESTHER TONTANT, 117 Collier Street, Toronto, Canada.
Fellow in Romance Languages, 1894-95. A.B., University of Toronto, 1894; Ontario Normal College, 1895-96; Teacher of Modern Languages, Niagara Falls Collegiate Institute, 1896-1900; Graduate Student in English, University of Pennsylvania, 1900-01; Teacher of English and French in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1900-05.
Married, 1905, Mr. Percy James Robinson.

DENIS, WILLEY,
Laboratory of Biological Chemistry, Harvard Medical School,
Boston, Mass.

Fellow in Chemistry, 1902-03. A.B., Tulane University, 1899, and A.M., 1902; Ph.D., University of Chicago, 1907. Graduate Student, Bryn Mawr College, 1899-1901; Tulane University, 1901-02, 1903-04, University of Chicago, 1905-07; Assistant Chemist, U. S. Department of Agriculture, Bureau of Foods, 1907-09; Research Assistant, Harvard Medical School, 1910-13; Chemist, Massachusetts General Hospital, Boston, 1913-17.

DE SCHWEINITZ, AGNES JULIA,
11 Cummings Apartments, First and D Streets, Salt Lake City, Utah.
Fellow in Teutonic Philology, 1902-03. A.B., Bryn Mawr College, 1899, group, German and French, and A.M., 1900. Graduate Scholar in Teutonic Philology, Bryn Mawr College, 1899-1900; Teacher of German in the Portland School, Portland, Ore., 1900-01; University of Leipsic, 1901-02; Teacher of German in the Bryn Mawr School, Baltimore, Md., 1903-08.
Married, 1908, Mr. Edward Robins Zalinski.

DOVER, MARY VIOLETTE,

194 Hunter Street East, Peterborough, Ontario, Canada.

Fellow in Chemistry, 1905-06. A.B., McGill University, 1898, and M.Sc., 1900; Ph.D., University of Breslau, 1908. Instructor in Chemistry, Mount Holyoke College, 1909-14; Student, University of Chicago, Summer, 1914; Instructor in Chemistry, University of Missouri, 1915-17.

DOWNNEY, KATHERINE MELVINA,Wheaton, Minn.

Fellow in Physics, 1913-14. A.B., University of Minnesota, 1910, and A.M., 1913. Teacher of Mathematics in the High School, Luverne, Minn., 1910-12; Instructor in Physics, Mount Holyoke College, 1914-16.

DUCKETT, ELEANOR SHIPLEY, ...Bank House, Frome, Somerset, England.

Fellow in Latin, 1912-13. B.A., University of London, 1902, and M.A., 1904. Girton College, University of Cambridge, England, 1908-11; Classical Tripos, Part I, 1911. Classical Mistress in the High School, Sutton, Surrey, 1905-07; British Graduate Scholar, Bryn Mawr College, 1911-12, and Special British Graduate Scholar, 1913-14; Instructor in Latin in the Western College for Women, Oxford, O., 1914-16; Instructor in Latin, Smith College, 1916-17.

DUDLEY, LOUISE,579 Lawe Street, Appleton, Wis.

Fellow in English, 1906-07. A.B., Georgetown College, 1905; Ph.D., Bryn Mawr College, 1910, subjects, English Philology, English Literature, and English History. Graduate Student, Bryn Mawr College, 1905-06, and Graduate Scholar, 1910. Teacher of Mathematics and Latin in Kemper Hall, Kenosha, Wis., 1907-08; Research Student, Bibliothèque Nationale, Paris, 1908-09, and Student, Oxford University, First Semester, 1909-10; Instructor in English Literature, Mount Holyoke College, 1910-11; Head of the English Department, Stephens College, Columbia, Mo., 1913, 1913-14; Professor of English Literature, Lawrence College, Appleton, Wis., 1914-17.

EDDINGFIELD, JUNE CHRISTINA,See page 26.

Fellow in German, 1913-14.

EDDY, HELEN MAY,Marengo, Ia.

Fellow in Latin, 1904-05. A.B., University of Iowa, 1900, and A.M., 1903. Fellow in Latin, University of Iowa, 1901-04. Teacher of Latin in the High School, Fairfield, Ia., 1905-06, and of Latin and Greek in the Winona Park School for Women, Winona Lake, Ind., 1906-08; Teacher of Latin and German in the State Normal School, Mayville, N.D., 1908-13; Student, National German-American Academy, Milwaukee, Wis., 1914-15; Head of Department of Foreign Languages, Idaho Technical Institute, Pocatello, Idaho, 1915-16; Teacher in the University High School, Iowa City, Ia., 1916-17.

EDMAND, MARIETTA JOSEPHINE, ...E. 1846 Ninth Avenue, Spokane, Wash.

Fellow in Latin, 1897-98. A.B., Central University of Iowa, 1887, and A.M., 1890; A.B. and A.M., University of Chicago, 1897. Assistant in Academic Department, Iowa Wesleyan University, 1887-90, and Principal of Academic Department, 1890-93; Professor of Latin, Iowa Wesleyan University, 1893-95; Graduate Student in Greek and Latin, University of Chicago, 1895-97; Professor of Latin and Greek, Milwaukee-Dowder College, Milwaukee, Wis., 1898-99, and Professor of Latin, 1899-1903; American School of Classical Studies, Rome, 1901-02.

Married, 1903, *Dr. Frederic Perry Noble*. One daughter.

EDWARDS, KATHARINE MAY,Wellesley College, Wellesley, Mass

Fellow in Greek, 1888-89. A.B., Cornell University, 1888, and Ph.D., 1895, Instructor in Greek, Wellesley College, 1889-93; Graduate Student, Cornell University, 1893-94; Associate Member of American School of Classical Studies, Athens, 1913-14; Associate Professor of Greek, Wellesley College, 1894-1901; Associate Professor of Greek and Comparative Philology, 1901-15, and Professor, 1915-17.

ELLIS, ELLEN DEBORAH,See page 26.

Fellow in Economics and History, 1904-05.

EVERS, HELEN MARGARET,12510 Mayfield Road, Cleveland, O.

Fellow in Romance Languages, 1903-05. A.B., Washington University, 1899; A.M., University of Missouri, 1902; Ph.D., Bryn Mawr College, 1905, subjects, French and Spanish. Graduate Student, University of Missouri, 1901-02, and Fellow in Romance Languages, 1902-03; Fellow in Romance Languages, Bryn Mawr College, 1903-05; Teacher of French in the Gleim School, Pittsburgh, Pa., 1906-07; Acting Instructor in Romance Languages, University of Missouri, 1905-06, and Instructor, 1907-09; Instructor in the International Institute for Girls, Madrid, Spain, 1909-10; Instructor in Romance Languages, College for Women of Western Reserve University, 1910-13; Teacher of French in Mary Institute, St. Louis, Mo., 1913-14.

- FAHNESTOCK, EDITH**,.....Vassar College, Poughkeepsie, N. Y.
Fellow in Romance Languages, 1897-98. L.B., Western Reserve University, 1894; Ph.D., Bryn Mawr College, 1908, subjects, French Literature, Old French Philology and Spanish. University of Zürich and Sorbonne, 1894-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1898-1901, 1902-05; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1901-02, and Graduate Scholar, 1906-07; Instructor in Romance Languages, Mount Holyoke College, 1907-08, and Vassar College, 1908-15; Assistant Professor and Acting Head of the Department of Italian and Spanish, Vassar College, 1915-17.
- FAIRBANKS, CHARLOTTE**,.....St. Johnsburry, Vt.
Fellow in Chemistry, 1896-97. A.B., Smith College, 1894; Ph.D., Yale University, 1896; M.D., Woman's Medical College of Pennsylvania, 1902. Instructor in Chemistry, Wellesley College, 1897-99; Woman's Medical College of Pennsylvania, 1899-1902; Instructor in Chemistry and Materia Medica, Woman's Medical College of Pennsylvania, 1906-08; Physician, 1905-17.
- FAIRCLOUGH, ELIZABETH MARY**,.....Died, 1912.
Fellow in Greek, 1893-94. A.B., McGill University, 1893. Private Tutor, 1898-1900.
- FARNHAM, LOIS ANNA**,.....22 Old Lancaster Road, Bryn Mawr, Pa.
Fellow in Economics and Politics, 1901-02. A.B., Bryn Mawr College, 1900, group, History and Political Science, and A.M., 1901. Graduate Scholar in History, Political Science, and Law, Bryn Mawr College, 1900-01, and Graduate Student, 1913-14.
Married, 1903, *Professor David Wilbur Horn*. Three daughters.
- FOGG, EMILY**,.....Doylestown, Pa.
Fellow in History, 1897-98. Wellesley College, 1889-91; A.B., University of Chicago, 1897. Graduate Scholar and Fellow by Courtesy in History, 1898-99; Fellow in Sociology, University of Pennsylvania, 1899-1900; Student, University of Pennsylvania, and Teacher of Economic Geography in Mrs. Head's School, Germantown, Philadelphia, and of History in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01.
Married, 1900, *Professor Edward Sherwood Mead*. One son, four daughters (one † 1907).
- FOSTER, ELIZABETH ANDROS**,.....Glendale Road, Sharon, Mass.
Fellow in Latin, 1910-11. A.B., Bryn Mawr College, 1908, group, Latin and Italian and Spanish, and A.M., 1909. Graduate Scholar in Latin, Bryn Mawr College, 1908-09, and Reader in Latin and Graduate Student, 1909-10; Student, Sorbonne and Collège de France, 1913-14; Assistant in French and Instructor in Spanish, Wells College, 1911-15; Fellow in French, Smith College, 1915-16, and Assistant in Spanish, 1916-17.
- FOSTER, FRANCES ALLEN**,.....See page 27.
Fellow in English, 1911-12.
- FOWLER, EUGENIA**,.....Upper Lehigh, Pa.
Fellow in Physics, 1902-03. A.B., Bryn Mawr College, 1901, and A.M., 1902. Mistress of Llanberis, and Graduate Student, Bryn Mawr College, 1901-02; Secretary and Manager of Athletics, St. Timothy's School, Catonsville, Md., 1903-07; Manager of Low Buildings, Bryn Mawr College, 1908-09.
Married, 1909, *Mr. M. K. Neale*. One son († 1912).
- FRANCE, WILMER CAVE**,.....Low Buildings, Bryn Mawr, Pa.
Fellow in Greek, 1892-93. Girton College, University of Cambridge, England, 1888-92, Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96; Reader in Classical Literature, Bryn Mawr College, 1897-99; Associate in Classical Literature, 1899-1901, Associate in Greek, 1901-03, 1905-06, Lecturer in Greek Literature, 1906-07, and Associate Professor of Greek, 1907-17.
Married, 1906, *Mr. J. Edmund Wright* († 1910).
- FRANKLIN, MARJORIE LORNE**,...404 West 116th Street, New York City.
Fellow in Economics, 1914-15. A.B., Barnard College, 1913; A.M., Columbia University, 1916. Graduate Scholar in Economics, Bryn Mawr College, 1913-14; Graduate Student, Columbia University, 1915-16; Library Assistant, American Telephone and Telegraph Co., New York City, 1916-17.
- FRANKLIN, SUSAN BRALEY**,.....33 Central Park West, New York City.
Fellow in Greek, 1889-90. A.B., Bryn Mawr College, 1889, group, Greek and Latin, and Ph.D., 1895, subjects, Greek, Latin, and Sanskrit. Fellow by Courtesy in Greek, 1890-93; Graduate Student, Bryn Mawr College, 1890-93, and second semester, 1902-03; Holder of the American Fellowship of the Association of Collegiate Alumnae,

1892-93; Instructor in Latin, Vassar College, 1893-97; American School of Classical Studies, Athens, and University of Berlin, 1898-99; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1897-98, and 1899-1904; Head of the Classical Department, Ethical Culture School, New York City, 1904-11, 1912-17.

FREHAFFER, MABEL KATHERINE,.....Chestnut Hill, Philadelphia.

Fellow in Physics, 1909-10. A.B., Bryn Mawr College, 1908; A.M., University of Wisconsin, 1909. Graduate Student, University of Wisconsin, 1908-09; Demonstrator in Physics and Graduate Student, Bryn Mawr College, 1910-14; Assistant in Physics and Graduate Student, University of Wisconsin, 1914-16; Teacher of Physics in the Germantown High School, Philadelphia, second semester, 1915-16; Instructor in Physics, Mount Holyoke College, 1916-17.

FRIEDLINE, CORA LOUISE,.....2107 South 17th Street, Lincoln, Neb.

Fellow in Psychology, 1915-16. A.B., University of Nebraska, 1913, and A.M., 1915. Scholar in Philosophy, University of Nebraska, 1914-15.

GAGE, KITTY AUGUSTA,.....New Paltz, N. Y.

Fellow in Greek, 1885-86. A.B., Boston University, 1878; A.M., Cornell University, 1885. Teacher of Latin and French in the State Normal School, New Paltz, 1893-1913; Professor Emeritus, 1913.

GATES, FANNY COOK,.....1328 East 53rd Street, Chicago, Ill.

Fellow in Mathematics, 1896-97. S.B., Northwestern University, 1894, and S.M., 1895; Ph.D., University of Pennsylvania, 1909. Fellow in Mathematics, Northwestern University, 1894-95; Graduate Scholar in Mathematics, Bryn Mawr College, 1895-96; Holder of European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics and Physics, University of Göttingen, 1897-98; Graduate Student, University of Chicago, Summer Term, 1899; Instructor in Physics, Woman's College of Baltimore, 1898-1901, Associate Professor of Physics, 1901-06, and Professor of Physics, 1906-11; Research Student, McGill University, 1902-03; Research Student, Cavendish Laboratory, Cambridge, England, April to August, 1905 and 1906; Research Worker, School of Education, University of Chicago, 1911-13.

GENTRY, RUTH,.....Stilesville, Ind.

Fellow in Mathematics, 1890-91, 1892-93. Ph.B., University of Michigan, 1890; Ph.D., Bryn Mawr College, 1896, subjects, Mathematics and Physics. Fellow by Courtesy in Mathematics, Bryn Mawr College, 1893-94; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics, University of Berlin, 1891-92; Student at the Sorbonne, 1892-93; Instructor in Mathematics, Vassar College, 1894-1900, and Associate Professor of Mathematics, 1900-02; Associate Principal of Private School, Pittsburgh, Pa., and Head of Department of Mathematics, 1902-05; Volunteer nurse (unpaid), 1910-11; Travelling, 1912-14.

GIBBONS, VERNETTE LOIS,.....See page 27.

Fellow in Chemistry, 1911-12.

GILROY, HELEN TURNBULL,.....2314 Green Street, Philadelphia.

Fellow in Physics, 1911-12. A.B., Bryn Mawr College, 1909, group, Mathematics and Physics, and A.M., 1912. Graduate Student and Student Assistant in the Physical Laboratory, Bryn Mawr College, 1910-11; Instructor in Physics, Mount Holyoke College, 1912-14; Demonstrator in Physics and Graduate Student, Bryn Mawr College, 1914-15; Graduate Student in Physics, University of Chicago, 1915-17.

GOODMAN, BYNE FRANCES,.....1918 Hill Avenue, Champaign, Ill.

Fellow in Economics, 1913-14. A.B., University of Illinois, 1912, and A.M., 1913.

GOODRICH, GRACE GERTRUDE,.....Ripon, Wis.

Fellow in Latin, 1911-12. A.B., Ripon College, 1906, and A.M., 1907; A.M., University of Wisconsin, 1911, and Ph.D., 1913. Student, American School of Classical Studies in Rome, 1909-10; University of Wisconsin, 1910-11; Assistant in Latin, University of Wisconsin, 1912-13; Instructor in Latin and Greek, Ripon College, 1913-17.

GORDON, WILHELMINA,

Principal's House, Queen's University, Kingston, Ontario, Canada.

Fellow in Latin, 1906-07. M.A., Queen's University, 1905. Graduate Scholar in English, Bryn Mawr College, 1905-06; Somerville College, Oxford, England, 1908-09; Oxford Final Honour School in English, 1909. Tutor in English, Queen's University, 1909-10, Fellow and Reader in English, 1910-12, and Instructor in English, 1912-17.

- GRAHAM, ELLEN MAUD**, 131 Scott Street, Quebec, Canada.
 Fellow in History, 1896-97. A.B., University of Toronto, 1896. Canadian Government Teacher in South Africa, 1902-04; Teacher of Modern Languages, Harriston, Ont., 1905-06; Principal of the Girls' High School, Quebec, P. Q., 1906-09.
 Married, 1908, *Mr. Frederick Gourlay Millar*.
- GRAHAM, MINNIE ALMIRA**, 34 Park Place, Lockport, N. Y.
 Fellow in Chemistry, 1906-07, 1910-11. A.B., Mount Holyoke College, 1900; A.M., University of Michigan, 1906; Ph.D., Bryn Mawr College, 1912, subjects, Physical Chemistry, Organic Chemistry and Physics. Teacher of Mathematics and Science in the High School, Hancock, N. Y., 1900-01; and Instructor in Chemistry, Mount Holyoke College, 1902-05; Student in Physics, Massachusetts Institute of Technology, First Semester, and Teacher of Science in the High School, Braintree, Mass., 1901-02; Graduate Student, University of Michigan, and Holder of the '86 Fellowship of Mount Holyoke College, 1905-06; Professor of Chemistry, Lake Erie College, 1907-10, 1912-13, and on leave of absence, 1910-12; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, 1911-12; Acting Professor of Chemistry, Wells College, 1913-15; Instructor in Chemistry, Wellesley College, 1915-17.
- GRANT, MARY AMELIA**, 1420 Polk Street, Topeka, Kans.
 Fellow in Latin, 1914-15. A.B., University of Kansas, 1913, and A.M., 1914. Teaching Fellow, University of Kansas, 1913-14; Instructor in Greek and Latin, Western College for Women, Oxford, O., 1915-17.
- GREENE, AMY BLANCHE**, 1175 Madison Avenue, New York City.
 Fellow in Semitic Languages and Biblical Literature, 1915-16. A.B., Miami University, 1907; A.M., University of Chicago, 1914. Teacher of Bible in Cincinnati Missionary Training School, 1911-15; Student, Union Theological Seminary and Instructor in Bible, School of Christian Work, New York City, 1916-17.
- GRIFFIN, HATTIE JOSEPHINE**, Marshfield, Ore.
 Fellow in Latin, 1899-1900. A.B., University of Wisconsin, 1898, and A.M., 1902. Alumni Fellow in Latin, University of Wisconsin, 1898-99; Fellow in Latin, University of Wisconsin, 1901-02; Assistant in the High School, Crystal Falls, Michigan, 1902-03; Professor of Ancient and Modern Languages, Nebraska Central College, 1903-07; Principal of the High School, North Bend, Ore., 1907-09; Teacher of Latin and German in the Kinney High School, North Bend, 1909-13; Government Clerk, Post Office, Marshfield, 1914-16.
- GWINN, MARY**, 33 Mount Vernon Place East, Baltimore, Md.
 Fellow in English, 1885-87. University of Leipsic, 1879-82; University of Zürich, 1882; Sorbonne and Collège de France, 1883. Ph.D., Bryn Mawr College, 1888. Graduate Student, Bryn Mawr College, 1887-88, and Associate in English, 1888-93; Associate Professor of English, Bryn Mawr College, 1893-97, and Professor of English, 1897-1904.
 Married, 1904, *Mr. Alfred Hodder* († 1907).
- HAHN, DOROTHY ANNA**, Box 344, South Hadley, Mass.
 Fellow in Chemistry, 1907-08. A.B., Bryn Mawr College, 1899, group, Chemistry and Biology; Ph.D., Yale University, 1916. Professor of Chemistry and Biology, Pennsylvania College for Women, Pittsburgh, Pa., 1899-1906; Professor of Biology, Kindergarten College, Pittsburgh, 1904-06; Student, University of Leipsic, 1906-07; Graduate Student in Chemistry, Yale University, and Holder of Currier Fellowship, Yale University, and of the Anna C. Brackett Fellowship of the A. C. A., 1915-16; Instructor in Chemistry, Mount Holyoke College, 1908-14, and Associate Professor, 1914-17.
- HAINES, JANE BOWNE**, Cheltenham, Pa.
 Fellow in History, 1892-93. A.B., Bryn Mawr College, 1891, group, History and Political Science, and A.M., 1892. Graduate Student, Bryn Mawr College, 1891-92, 1893-94, and Associate Librarian, 1895-98; Student, New York State Library School, Albany, N. Y., 1898-99; Assistant in the Cataloguing Division, Library of Congress, Washington, D. C., 1900-03; Private Indexer and Bibliographer, 1903-17; President of Board of Directors of School of Horticulture for Women, Ambler, Pa., 1908-17.
- HAMILTON, EDITH**, See page 27.
 Fellow in Latin, 1894-95.
- HANINGTON, FLORENCE**, Prospect Road, Rockcliffe, Ottawa, Canada.
 Fellow in Mathematics, 1905-06. A.B., Trinity University, 1904. Graduate Scholar in Mathematics, Bryn Mawr College, 1904-05; Secretary of Bryn Mawr College, 1906-07.
 Married, 1907, *Mr. Charles Reginald Carter*. One daughter.

- HANNA, MARY ALICE, See page 28.
Fellow in History, 1912-13.
- HARDCASTLE, FRANCES, 3 Osborne Terrace, Newcastle on Tyne, England.
Fellow in Mathematics, 1894-95. M.A., Trinity College, Dublin, 1907. Girton College, University of Cambridge, England, 1888-92; Mathematical Tripos, Part I, 1891; Part II, 1892. Graduate Student in Mathematics, Bryn Mawr College, 1892-93; Honorary Fellow in Mathematics, University of Chicago, 1893-94; Graduate Student in Mathematics, Girton College, 1895-96; Pfeiffer Student of Girton College, 1902-03; Hon. Secretary, National Union of Women's Suffrage Societies, London, 1906-09.
- HARDENBROOK, MILDRED, Valatie, N. Y.
Fellow in Greek, 1914-15. A.B., Vassar College, 1905, and A.M., 1909. Graduate Scholar, Bryn Mawr College, 1911-12, 1913-14; Fellow by Courtesy, 1915-16.
- HARMON, ESTHER, See page 28.
Fellow in German, 1908-09.
- HARPER, CARRIE ANNA, Sunderland, Mass.
Fellow in English, 1898-99. A.B., Radcliffe College, 1896, and A.M., 1898; Ph.D., Bryn Mawr College, 1910, subjects, English Language, English Literature and Spanish. Graduate Scholar in English, Bryn Mawr College, 1896-97; Graduate Student in English, Radcliffe College, 1897-98, 1906-07; Teacher of English in the Gilman School, Cambridge, Mass., 1899-1907; Instructor in English Literature, Mount Holyoke College, 1907-11, and Associate Professor, 1911-17.
- HARRIS, ELIZABETH, Clayton, Mo.
Fellow in Greek, 1890-91. A.B., Bryn Mawr College, 1890, group, Greek and Latin, and A.M., 1891. Teacher of Greek and Latin in the Collegiate Grammar School, New York City, 1891-92; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1892-96.
Married, 1896, *Professor Edward Harrison Keiser*. Five sons, one daughter.
- HARRISON, ELIZABETH, 1 East Albert Road, Liverpool, England.
Fellow in Greek, 1906-07. Liverpool University College, 1897-98; Newnham College, University of Cambridge, England, 1898-1902; Classical Tripos, Part I, 1901; Part II, 1902; Classical Mistress, Roedean School, Brighton, England, 1902-06; Temporary Assistant Lecturer in Latin, University of Liverpool, and Private Tutor, 1908-11.
Married, 1911, *Mr. Percy Fallowfield Kipling*. One son.
- HARRISON, JANE ANNETTA, See page 28.
Fellow in German, 1909-10.
- HARRISON, JULIA PEACHY, 1214 Floyd Avenue, Richmond, Va.
Fellow in Chemistry, 1913-14. A.B., Richmond College, 1906, and A.M., 1908, B.S., 1909; Ph.D., Johns Hopkins University, 1912. Graduate Student, Johns Hopkins University, 1909-12; Teacher in the High School, Richmond, 1907-08; Carnegie Research Assistant, Johns Hopkins University, 1912-13; Reader and Demonstrator in Chemistry, Bryn Mawr College, 1914-15; Head of Department of Chemistry in Sweet Briar College, Sweet Briar, Va., 1915-16, and in Agnes Scott College, Decatur, Ga., 1916-17.
- HASEMAN, MARY GERTRUDE, Linton, Ind.
Fellow in Mathematics, 1913-15. A.B., University of Indiana, 1910. Professor of Mathematics in Vincennes University, 1910-11; Graduate Scholar, Bryn Mawr College, 1911-12. Graduate Student, 1913-14; Graduate Student, Johns Hopkins University, 1915-16.
- HATCH, LAURA, 1210 Astor Street, Chicago, Ill.
Fellow in Geology, 1912-13. A.B., Vassar College, 1906; M.S., University of Chicago, 1911. Teacher in the University School for Girls, Chicago, 1906-07; in the High School, Aurora, Ill., 1907-10; Assistant in the Laboratory, University of Chicago, 1910-11; Instructor in Geology, Wellesley College, 1911-12; Fellow in Geology, University of Chicago, 1913-14; Assistant in the Geological Department, Barnard College and Graduate Student in Geology, Columbia University, 1914-15; Lecturer in Geology, Barnard College, and Instructor in Geography, Extension Teaching, Columbia University, 1915-16; Instructor in Geology, Smith College, 1916-17.
- HAZEN, ANNAH PUTNAM, 68 Washington Square, New York City.
Fellow in Biology, 1898-99. L.B., Smith College, 1895; S.M., Dartmouth College, 1897. Graduate Student in Biology, Dartmouth College, 1895-96; Graduate Scholar in Biology, Bryn Mawr College, 1897-98; Teacher of Biology in the State Normal School, Plymouth, N. H., 1899-1900; Assistant in Zoology, Smith College, 1900-03; Teacher of Biology in the Wadleigh High School, New York City, 1903-09; First Assistant in Biology in the Eastern District High School, Brooklyn, N. Y., 1909-17.

- HAZLEWOOD, CHARLOTTE WILLIAMS**, 161 Allen Avenue, Lynn, Mass.
Fellow in Greek, 1898-99. A.B., Wellesley College, 1891. Teacher of Greek and Latin in the Classical High School, Lynn, 1891-96; Graduate Student, Yale University, 1896-97, and Graduate Scholar, 1897-98; Substitute Head of Greek and Latin Department, Pennsylvania College for Women, Pittsburgh, Pa., Second Semester 1910; Literary and Artistic Work, Book Designing, 1910-12.
- HENRY, MARGARET EDITH**, 1108 East 62nd Street, Chicago, Ill.
Fellow in Philosophy, 1900-01. A.B., University of Nebraska, 1898, and A.M., 1900; A.M., Radcliffe College, 1902; Ph.D., Columbia University, 1906. Graduate Scholar in Philosophy, University of Nebraska, 1898-99, and Fellow, 1899-1900; Graduate Student, Radcliffe College, 1901-02; Graduate Student, Columbia University, 1904-06.
Married, 1904, *Dr. Alvin Saunders Johnson*.
- HICKS, AMY MAUD**, 33 Downside Crescent, Hampstead, London, England.
Fellow in Greek, 1904-05. A.B., University of London, 1900, and A.M., 1901. Student, Girtton College, University of Cambridge, England, 1895-99, Classical Tripos, Part I, 1898, Part II, 1899; Student, University College, London, 1900-02; Teacher of Classics in St. Mary's College, Paddington, London, 1906-09.
- HIGHET, MARY ELIZABETH**, Cobourg, Ontario, Canada.
Fellow in German and Teutonic Philology, 1896-97. A.B., Victoria University, 1891, and A.M., 1892; Ph.M., Cornell University, 1894, and Ph.D., 1895. Teacher of Modern Languages, Bowmanville High School, 1892-93; Professor of Modern Languages and History, State Normal School, New Paltz, N. Y., 1897-1900; University of Berlin, 1901-02; Professor of German, Elmira College, 1902-16.
- HILL, SARAH D.**, Irvington, Ind.
Fellow in Teutonic Philology, 1904-05. A.B., Earlham College, 1901. Graduate Scholar, Bryn Mawr College, 1903-04; Assistant in German and French, Earlham College, 1905-08.
Married, 1908, *Professor Milton D. Baumgartner*. One son, one daughter.
- HOOVER, EDITH SOPHIA**, . . Heathersby, Chislehurst Road, Kent, England.
Fellow in English, 1900-01. M.A., University of Edinburgh, 1900, Honours in Philosophy, 1899, in English, 1900.
- HOPKINS, MARY DELIA**, Clinton, N. Y.
Fellow in English, 1896-97. A.B., Bryn Mawr College, group, English and German, and A.M., 1896. Reader in English, and Graduate Student, Bryn Mawr College, 1897-98, and Reader in English, 1899-1901; Teacher of Latin and English in the Granger Place School, Canandaigua, N. Y., 1902-04; Teacher of English in the Balliol School, Utica, N. Y., 1901-02, and of English, German, and Latin, 1905-08; Teacher of English and Latin in Miss Davidge's School, New York City, and Private Tutor, 1904-05; Teacher of Latin, German, and English in the Veltin School, New York City, 1908-13, and Graduate Student, Columbia University, 1908-12; Volunteer Suffrage Worker, 1913-15.
- HORTON, GOLDIE PRINTIS**, Quanah, Tex.
Fellow in Mathematics, 1912-13. A.B., University of Texas, 1908; A.M., Smith College, 1910. Teacher of Mathematics in the High School, Grandview, Texas, 1908-09; Fellow in Mathematics, Smith College, 1909-10; Head of Department of Mathematics in the High School, Amarillo, Tex., 1910-12; Graduate Student and Tutor in Mathematics, University of Texas, 1913-17.
- HOWELL, JANET TUCKER**, 232 West Lanvale Street, Baltimore, Md.
Helen Schaeffer Huff Research Fellow in Physics, 1913-14. A.B., Bryn Mawr College, 1910; A.M., Johns Hopkins University, 1912, and Ph.D., 1913. Graduate Student in Physics, Johns Hopkins University, 1910-13; Lecturer in Physics, Bryn Mawr College, 1914-15; Holder of Sarah Berliner Research Fellowship for Women and Worker in Mt. Wilson Solar Observatory, Pasadena, Cal., 1915-16; Instructor in Physics, Smith College, 1916-17.
- HOWELL, JEAN KIRK**, 123 West 7th Street, Plainfield, N. J.
Fellow in Biology, 1891-92. Ph.B., Cornell University, 1888, and S.M., 1890. Assistant in Botany, Barnard College, 1892-96; Teacher of Science in the Phillips High School, Watertown, Mass., 1898-99; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1899-1905, and in the Plainfield Seminary, Plainfield, 1905-17.

HUBBARD, ALICE PHILENA FELICIA,

Residencia de Estudiantes, Fortuny 28 Moderno, Madrid, Spain.

Mailing address: Cedar Crest, Belton, Tex.

Fellow in Romance Languages, 1914-15. B.S., University of Texas, 1900, and A.M., 1902. University of Chicago, Summer School, 1904, 1905. Fellow in Spanish, University of Texas, 1899-1902; Tutor in Spanish, University of Texas, 1902-08, and Instructor in Spanish, 1908-13; Graduate Student, Bryn Mawr College, 1913-14, and Fellow by Courtesy, 1915-16; Student, University of Madrid and Centro de Estudios Históricos, Madrid, 1916-17.

HUGHES, WINONA ALICE,.....271 West Church Street, Marion, O.

Fellow in Chemistry, 1900-01. Ph.B., University of Wooster, 1891. Graduate Student, Cornell University, Summer School, 1894; Harvard University, Summer School, 1895; University of Chicago, 1897-99; Teacher of Science in the Public Schools, Marion, O., 1892-97, and in the High School, Mansfield, O., 1899-1900; Teacher of Science in the High School, Ottumwa, Ia., 1901-02; Teacher of Chemistry and Zoology in the High School, Mansfield, 1902-06; Instructor in Chemistry, Mount Holyoke College, 1906-11; Field Secretary, College of Wooster, 1911-12, and Dean of Women and Instructor in the History of Art, 1912-16.

HUTCHINSON, ANABELLE ROXBURGH,

Brookside, Catterick, Yorkshire, England.

Fellow in Romance Languages, 1899-1900. Newnham College, University of Cambridge, England, 1895-99; Medieval and Modern Languages Tripos, 1898; Sorbonne, 1900-01; Assistant Librarian, University Library, Cambridge, 1902-05; Assistant Lecturer in French, Newnham College, 1904-06; Examiner in French and Italian, Joint Board of Matriculation, 1909-12; Examiner, Cambridge Local Examinations and Schools for the same Board, 1912-15; French Lecturer, Homerton College, Cambridge, 1913-17.

HYDE, IDA H.,.....Lawrence, Kans.

Fellow in Biology, 1892-93. S.B., Cornell University, 1891; Ph.D., University of Heidelberg, 1896. Student Assistant in Biology, Bryn Mawr College, 1891-92; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Strassburg, 1893-94; Holder of the Phebe Hunt Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Heidelberg, 1894-96; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1898-99; Professor of Physiology, and Head of Department of Physiology, University of Kansas, 1899-1917.

HYDE, WINIFRED FLORENCE,.....1039 C Street, Lincoln, Neb.

Fellow in Philosophy, 1902-04. A.B., University of Nebraska, 1900. Ph.D., University of Jena, 1911. Scholar in Philosophy, University of Nebraska, 1900-01; University of Denver, summer of 1901; Teacher in the High School, Lincoln, Neb., 1901-02; Scholar in Philosophy, Cornell University, 1904-05; European Fellow of the Boston Woman's Educational Association and Student at the University of Jena, 1905-11; Assistant Professor of Philosophy, University of Nebraska, 1911-15.

ISHAM, MARY KEYT,.....135 West 79th Street, New York City.

Fellow in Philosophy, 1899-1900. A.B., Wellesley College, 1894; A.M., University of Cincinnati, 1898; M.D. Laura Memorial Medical College, 1903. Graduate Student in Philosophy and Psychology, University of Cincinnati, 1897-98; Graduate Student in Philosophy and Psychology, University of Chicago, 1898-99; Lecturer on Psychology and Student, Laura Memorial Medical College, Cincinnati, 1900-03; Interne and House Physician at the Presbyterian Hospital, Cincinnati, 1903-04; Secretary, Academy of Medicine of Cincinnati, 1907-08; Assistant Physician, Columbus State Hospital, Columbus, O., 1908-15; Physician, 1904-15.

JARVIS, MAY MASON,...742 E. Pennsylvania Avenue, San Antonio, Tex.

Fellow in Biology, 1909-10. A.B., University of Texas, 1906, and A.M., 1908. Tutor in Zoology, University of Texas, 1907-09, 1910-11.

Married, 1911, *Mr. George Stribling Newell*. Two daughters, one son.

JONES, LAURA LUCINDA,.....Box 353, Cobourg, Ontario, Canada.

Fellow in English, 1894-95. A.B., University of Toronto, 1891. Teacher of Modern Languages in the Collegiate Institute, Kingston, Ont., 1895-97; Teacher of English, and Student in German in the Höhere Töchter Schule Tegeler, Eberswalde, Berlin, 1897-98; Teacher of English, French, and German in the Collegiate Institute, Cobourg, 1898-1915; Member of the Board of the Public Library, Cobourg, 1904-15.

KELLOGG, ANGIE LILLIAN,...108 South Massey Street, Watertown, N. Y.

Fellow in Philosophy, 1911-13. A.B., Vassar College, 1903, and A.M., 1904. Teacher in the High School, Schenectady, N. Y., 1904-10, and in the High School, Hasbrouck Heights, N. J., March to June, 1911; Law Clerk, 1910-11; Fellow by Courtesy and

Graduate Scholar, and Mary Richardson and Lydia Pratt Babbott Fellow in Philosophy, Bryn Mawr College, 1913-14; Awarded A. C. A. European Fellowship, 1914-15; Superintendent of Bureau of Charities, Watertown, N. Y., S. P. C. C. Agent, Jefferson Co., N. Y., Probation Officer for Girls, June-Oct., 1911; Jefferson Co. Agent for Dependent and Delinquent Children, 1914-16; Instructor in Carola Woorishoffer Department of Social Economy and Social Research, Bryn Mawr College, 1916-17.

KEYS, FLORENCE V., 87 Avenue Road, Toronto, Canada.

Fellow in Greek, 1891-92; Fellow in English, 1892-93. A.B., University of Toronto, 1891. Examiner in English, University of Toronto, 1894-95; Reader in English, Bryn Mawr College, 1893-97, and Graduate Student in English, 1895-96; University of Oxford, England, 1897-98; University of Berlin, 1898-99; Reader in English, College Entrance Examination Board, 1900-02; Student, University of Munich, 1904-05; Instructor in English, Vassar College, 1899-1904, and Associate Professor of English, 1904-14.

KING, GEORGIANA GODDARD, Yarrow East, Bryn Mawr, Pa.

Fellow in Philosophy, 1896-97; Fellow in English, 1897-98. A.B., Bryn Mawr College, and George W. Childs Prize Essayist, 1896, group, Political Science and Philosophy, and A.M., 1897. Student at the Collège de France, First Semester, 1898-99; Teacher of English, Philosophy, and History of Art in the Misses Graham's School, New York City, 1899-1906; Reader in English, Bryn Mawr College, 1906-11; Lecturer in the History of Art and Comparative Literature, 1911-14; Lecturer in the History of Art, 1914-15, and Associate Professor, 1915-16; Professor of Modern Art, 1916-17.

KING, HELEN DEAN, 17 Elliott Avenue, Bryn Mawr, Pa.

Fellow in Biology, 1897-98. A.B., Vassar College, 1892; Ph.D., Bryn Mawr College, 1901, subjects, Morphology, Paleontology, and Physiology. Graduate Student in Biology, Vassar College, and Assistant in the Biological Laboratory, 1894-95; Graduate Scholar in Biology, Bryn Mawr College, 1895-96, and Graduate Student in Biology, 1896-97 and 1901-06, and Fellow by Courtesy in Biology, 1898-1901; Teacher of Science in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1899-1907; University Fellow for Research in Zoology, University of Pennsylvania, 1906-08; Investigator, Wistar Institute of Anatomy and Biology, Philadelphia, 1908-09, Assistant in Anatomy, 1909-10, Associate in Anatomy, 1910-13, and Assistant Professor of Embryology, 1913-17.

KING, HELEN MAXWELL, See page 28.

Fellow in Romance Languages, 1909-10.

KING, LIDA SHAW, Cushing Street, Providence, R. I.

Fellow in Greek, 1899-1900. A.B., Vassar College, 1890; A.M., Brown University, 1894; D.Lit., Mount Holyoke College, 1912; LL.D., Western Reserve University, 1913. Fellow in Greek, Vassar College, 1894-95; Instructor in Greek and Latin, Vassar College, 1895-97; Graduate Student in Greek and Greek History, Harvard University, 1897-98; Instructor in Latin, Packer Collegiate Institute, Brooklyn, New York City, 1898-99; Student, American School of Classical Studies, Athens, 1899-1901; Holder of the Agnes Hoppin Memorial Fellowship, 1900-01; Director of Classical Department, Packer Collegiate Institute, 1901-02; Dean of the Women's College, and Assistant Professor of Classical Philology in Brown University, 1905-09; Dean of the Women's College and Professor of Classical Literature and Archaeology, 1910-17.

KING, MARIE SEWARD, Silvester Place, Coxsackie, N. Y.

Fellow in German, 1910-11. A.B., Olivet College, 1907, and A.M., 1908. Professor of German and French, Des Moines College, 1908-09; Graduate Student, Bryn Mawr College, 1909-10, and Substitute Reader in French, March to June, 1910; Instructor in French, Grinnell College, 1911-12, and in German, 1912-15; Graduate Student, Columbia University, 1916-17.

LAIRD, ELIZABETH REBECCA, See page 28.

Fellow in Physics, 1897-98.

LAMBERTON, HELEN, 753 Corinthian Avenue, Philadelphia.

Fellow in Physics, 1908-09. A.B., Bryn Mawr College, 1907, group, Mathematics and Physics, and A.M., 1908. Graduate Scholar in Physics, Bryn Mawr College, 1907-08; Graduate Student, University of Pennsylvania, and Teacher of Physics in the Girls' High School, Philadelphia, 1909-10; Teacher of Mathematics in the Germantown High School for Girls, Philadelphia, 1910-16.

LANGENBECK, CLARA, See page 28.

Fellow in Biology, 1895-96.

LANSING, RUTH, 53 Crawford Street, Roxbury, Mass.

- Fellow in Romance Languages, 1911-12. A.B., Radcliffe College, 1908, and A.M., 1909, and Ph.D., 1914. Instructor in Wells College, September to November, 1909. Graduate Student, Radcliffe College, 1908-09, 1912-14; Professor of French, Oxford College for Women, Oxford, O., 1915-17.

LEFTWICH, FLORENCE, See page 29.

Fellow in Romance Languages, 1902-03.

LEWIS, FLORENCE PARTHENIA, See page 29.

Fellow in Philosophy, 1898-99.

Longbottom, Gertrude, The Hollies, Louth, Lincolnshire, England.

- Fellow in Mathematics, 1897-98. Girton College, University of Cambridge, England, 1893-97; Mathematical Tripos, Part I, 1896; Part II, 1897. M.A., Trinity College, Dublin, 1905. Teacher of Latin in the Municipal Technical School, Louth, 1899-1900, and Teacher of Mathematics, 1900-06; Governor of King Edward VI Girls' Grammar School, Louth, 1903-17; Manager of the Louth British (Elementary) School, 1904-17; Fellow of the Royal Astronomical Society, 1916-17.

LORD, ELEANOR LOUISA, Goucher College, Baltimore, Md.

- Fellow in History, 1889-90, 1895-96. A.B., Smith College, 1887, and A.M., 1890; Ph.D., Bryn Mawr College, 1898, subjects, History and Political Science. Instructor in History, Smith College, 1890-94; Holder of the European Fellowship of the Women's Educational Association of Boston, and Student in History, Newnham College, University of Cambridge, England, 1894-95; Instructor in History, Goucher College, 1897-1901; Associate Professor, 1901-04, and Professor of History, 1904-17; President of the History Teachers' Association of Maryland, 1908-09; Dean of Goucher College, 1911-17.

LOVELL, HELEN LOUISA, Hardin College, Mexico, Mo.

- Fellow in Greek, 1887-88. A.B., University of Michigan, 1887. Graduate Student, University of Michigan, 1888-89; Teacher of Latin and History in the Girls' Classical School, Indianapolis, Ind., 1889-90; Associate in Greek and Latin, Woman's College of Baltimore, 1890-94; and Associate Professor, 1891-93; Acting Professor of Greek and Latin, Earlham College, 1893-94; Graduate Student, University of Chicago, 1894-95, and Fellow in Greek, 1895-96; Professor of Greek, Hardin College, Mexico, 1896-1900, Professor of Greek and Philosophy, 1900-05, and Professor of Latin and Greek and Dean, 1905-17.

Married, 1896, *Mr. John Wilson Million*. Two daughters, two sons.

LOWATER, FRANCES, Wellesley College, Wellesley, Mass.

- Fellow in Physics, 1896-97. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906, subjects, Physics, Mathematics and Applied Mathematics. University College, Nottingham, England, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Demonstrator in Physics, Bryn Mawr College, 1893-96, 1897-98, 1899-1905, and 1907-10; Graduate Scholar in Physics, 1897-98, and Graduate Student in Physics and Mathematics, 1894-96, 1899-1900; Secretary of Bryn Mawr College, 1898-99; Acting Associate Professor of Physics, the Western College, Oxford, O., 1910-11; Professor of Physics, Rockford College, 1911-15; Volunteer Research Assistant, Yerkes Observatory, Summers 1911, 1913, 1915, 1916; Instructor in Physics, Wellesley College, 1915-17.

LUNDIE, ELIZABETH HELEN, Died, 1916.

- Fellow in Physics, 1905-06. A.B., McGill University, 1903, and M.Sc., 1904. Assistant in Chemistry in the High School, Montreal, 1908-14.

MACDONALD, MARGARET BAXTER, State College, Pa.

- Fellow in Chemistry, 1898-99. The Pennsylvania State College, 1893-95; B.S., Mount Holyoke College, 1898; Ph.D., Bryn Mawr College, 1902, subjects, Chemistry and Physiology. Student Assistant in Chemical Laboratory, Mount Holyoke College, 1895-97; Graduate Scholar in Chemistry and Physiology, Bryn Mawr College, 1897-98, and Pepper Fellow in Chemistry, University of Pennsylvania, 1899-1900; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Teacher of Chemistry and Physics, Asheville College, Asheville, N. C., 1901-02; Professor of Chemistry, New Jersey State Normal School, 1902-04; Instructor in Chemistry, Vassar College, 1905-06; Assistant Chemist, Delaware College Experimental Station, 1906-07; Instructor in Chemistry, The Pennsylvania State College, 1907-10, Assistant Professor of Agricultural Chemistry, 1910-13, and Associate Professor, 1913-17.

MACLEOD, ANNIE LOUISE, Earltown, Nova Scotia.

- Fellow in Chemistry, 1909-10; Research Fellow in Chemistry, 1910-12. A.B., McGill University, 1904, M.Sc., 1905, and Ph.D., 1910. Demonstrator in Chemistry, McGill

University, 1905-08; Assistant in Chemistry, Barnard College, 1908-09; Reader in Physiological Chemistry and Demonstrator in Chemistry, Bryn Mawr College, 1912-14; Instructor in Chemistry, Vassar College, 1914-16, and Assistant Professor, 1916-17.

MADDISON, ISABEL, See page 29.
Fellow in Mathematics, 1893-94.

MANN, CARRIE ALICE, Died, 1905.
Fellow in Mathematics, 1903-04. A.B., Wellesley College, 1893. Graduate Student, Bryn Mawr College, and Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1901-03; Teacher of Mathematics in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1904-05.

MARCUSE, BELLA, 1965 Fourteenth Avenue West, Vancouver, B. C.
Fellow in Chemistry, 1904-05. A.B., McGill University, 1900, and M.Sc., 1903. Student, University of Breslau, 1900-01; Assistant, McGill Model School, Montreal, Canada, January to June, 1904; Student in French, McGill University, 1905-07, and Private Tutor, 1905-08; Recording Secretary of the National Council of Women of Canada, 1908-11.

Married, 1908, *Professor Douglas McIntosh*. One daughter, one son.

MARTIN, EMILIE NORTON, See page 29.
Fellow in Mathematics, 1895-96.

MASON, GERTRUDE HELEN, 2627 Channing Way, Berkeley, Cal.
Fellow in English, 1887-88. Ph.B., University of Michigan, 1876, and Ph.M., 1888. Graduate Student in English, University of Michigan, 1888-89; Teacher of English in the High School, Petaluma, Cal., 1889-95, in the High School, San Diego, Cal., 1895-96; Graduate Student in English, Leland Stanford, Jr., University, 1896-97, and 1900-01; Assistant to Dr. Ewald Flügel on Chaucer Lexicon, 1904-05; Teacher of English in the Kern County High School, Bakersfield, Cal., 1897-98, and in the Union High School, Haywards, Cal., 1899-1900; Accredited Tutor in English, Leland Stanford, Jr. University, 1900-02; Private Tutor in English, 1905-16.

MATHEWS, IRENE MAUD, . . . Holly House, Duke Street, Sheffield, England.
Fellow in Physics, 1910-11. Girton College, University of Cambridge, England, 1906-10; First Class Honours, Cambridge Mathematical Tripos, Part I, 1909, and Part II, 1910. Assistant Mistress, the High School for Girls, Manchester, England, 1911-13; Senior Mathematical and Physics Mistress, City and County School, Chester, England, 1913-17.

MCCAIN, GERTRUDE IONA, No. 64, Delphi, Ind.
Fellow in Mathematics, 1911-12. A.B., Indiana University, 1908, and A.M., 1911. Teacher in the High School, Delphi, 1897-99; Principal of the Friends' High School, Salem, Ind., 1908-09; Teaching Fellow in Mathematics, Indiana University, 1910-11; Instructor in Mathematics and English in the High School, Delphi, 1913; Graduate Student, Indiana University, 1914, and Fellow in Mathematics, 1914-15; Professor of Mathematics, Oxford College for Women, Oxford, O., 1915-17.

McNAIR, GRACE ELIZABETH, Brodhead, Wis.
Fellow in History, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1899. Assistant in History in the High School, Madison, Wis., 1899-1900; Assistant in Latin, German, and History in the High School, Brodhead, 1902-04.

MEDES, GRACE, 300 Gladstone Boulevard, Kansas City, Mo.
Fellow in Biology, 1913-15. A.B., Kansas State University, 1904, and A.M., 1913. Fellow by Courtesy in Biology, Bryn Mawr College, 1915-16; Instructor in Zoology, Vassar College, 1916-17.

MERRILL, KATHARINE,
J. B. Pond Lyceum Bureau, Metropolitan Life Building, New York City.

Fellow in English, 1890-91. A.B., University of Kansas, 1889. Graduate Student in English, Bryn Mawr College, 1889-90; Harvard Annex, 1891-92; Assistant Professor of English Language and Literature, University of Illinois, 1892-97; Fellow in English, University of Chicago, 1897-98; Teacher of English, Austin High School, Chicago, Ill., 1898-1903; Teacher of the History of Literature in the Leland Powers School of the Spoken Word, Boston, 1905-08; Teacher of Expression and Reading, Boston Normal School, 1908-11; Lecturer on the Theatre, 1915-16.

MILES, CAROLINE, Bloomingdale, Ind.
Fellow in History, 1891-92. A.B., Earlham College, 1887; A.M., University of Michigan, 1890, and Ph.D., 1892. Teacher of Latin in the Friends' Academy, Bloomingdale, Ind., 1888-89; University of Michigan, 1889-91; Instructor in Philosophy and Political

Economy, Mount Holyoke College, 1892-93; Tutor in History, Wellesley College, 1893-94, and Instructor in Psychology, 1894-95; University Extension Work, Chicago, 1897-1900; Assistant Reference Librarian, John Crerar Library, Chicago, 1900-04; Principal of Friends' Academy, Bloomingdale, 1911-12.

Married, 1895, *Mr. William Hill*.

MILLMAN, MABEL HELEN,

735 Bloor Street West, Toronto, Ontario, Canada.

Fellow in French, 1908-09. A.B., University of Toronto, 1907. Graduate Student, University of Toronto, June, 1907, to January, 1908, 1910-12; Teacher of History in the Westbourne School, Toronto, January to June, 1908, and of Latin in Haverga College, Toronto, April to June, 1908; Teacher of English in Westminster College, Toronto, 1913-14; English Essay Reader, University of Toronto, and Private Tutor, 1911-16.

Married, 1912, *Dr. Clarence Meredith Hincks*.

MORNINGSTAR, HELEN, 1275 Franklin Avenue, Columbus, O.

Fellow in Geology, 1915-16. A.B., Ohio State University, 1913, and A.M., 1915. Teaching Fellow in English, Ohio State University, 1913-15; Scholar in Geology and Fellow by Courtesy, Bryn Mawr College, 1916-17.

MORRIS, MARGARET SHOVE, . . . 1904 Mt. Royal Avenue, Baltimore, Md.

Fellow in History, 1907-08. A.B., Woman's College of Baltimore, 1904; Ph.D., Bryn Mawr College, 1911, subjects, History and English. Holder of Foundation Scholarship, Bryn Mawr College, 1904-06; Alumnae Fellow of the Woman's College of Baltimore and Research Student at the Public Record Office, London, 1906-07; Instructor in History, Mount Holyoke College, 1908-14, and Associate Professor, 1914-17.

MORSE, KATE NILES, See page 29.

Fellow in Greek, 1900-01.

MORTON, CAROLINE MILLARD, . . . 131 Superior Street, Providence, R. I.

Fellow in Classical Archaeology, 1912-13. A.B., Brown University, 1910, and A.M., 1911. Graduate Scholar in Greek, Bryn Mawr College, 1911-12.

MORY, RUTHELLA BERNARD, The Somerset, Baltimore, Md.

Fellow in History, 1899-1900. A.B., Woman's College of Baltimore, 1897; Ph.M., University of Chicago, 1899. Student in English and History, University of Oxford, England, 1897-98; Graduate Student in History and History of Art, University of Chicago, 1898-99; Student, London School of Economics, 1900; Research Work in History in the British Museum and in the Public Record Office, London, 1900-02; Writer on History, 1910-11.

Married, 1903, *Mr. Arthur Barneveld Bibbins*.

NEILSON, NELLIE, Mount Holyoke College, South Hadley, Mass.

Fellow in History, 1894-95. A.B., Bryn Mawr College, 1893, group, Greek and English, A.M., 1894, and Ph.D., 1899, subjects, History and English. Graduate Student, Bryn Mawr College, 1893-94, 1895-96, 1900-01; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1895-96; Research Work in History in Cambridge, England, and in the Public Record Office, London, 1896-97; Teacher of History in Miss Irwin's School, Philadelphia, 1897-1900; Private Research Work, 1897-1905, 1908-09; Reader in English, Bryn Mawr College, 1900-02; Instructor in History, Mount Holyoke College, 1902-03; Acting Professor of European History, 1903-04, and Professor of History, 1904-17; in England on leave of absence, 1908-09, Second Semester, 1911-12, 1915-16.

NICHOLS, ELIZABETH, 1918 North Pennsylvania Street, Indianapolis, Ind.

Fellow in Biology, 1893-94. A.B., Bryn Mawr College, 1893, group, Chemistry and Biology. Graduate Student, Bryn Mawr College, 1894-95; Teacher of Science in the Girls' High School, Philadelphia, 1895-96; Secretary of the Indianapolis Branch of the Needlework Guild of America, 1904-13.

Married, 1896, *Mr. Charles W. Moores*. One daughter, one son.

NORTHWAY, MARY ISABEL, 1657 Burnaby Street, Vancouver, B. C.

Fellow in Physics, 1900-01. A.B., University of Toronto, 1898. Ontario Normal College, 1898-99; Graduate Scholar in Physics, Bryn Mawr College, 1899-1900; Student of Domestic Science, 1901-02; Assistant in Physics Department, Smith College, 1902-03.

Married, 1904, *The Rev. R. J. Wilson*. One daughter.

NOWLIN, NADINE, See page 30.

Fellow in Biology, 1905-06.

- O'GRADY, MARCELLA I.**,.....Würzburg, Bavaria.
Fellow in Biology, 1887-89. S.B., Massachusetts Institute of Technology, 1885. Teacher of Science in the Bryn Mawr School, Baltimore, Md., 1885-87; Demonstrator in Biology, Bryn Mawr College, 1888-89; Associate Professor of Biology, Vassar College, 1889-93, and Professor of Biology, 1893-96.
Married, 1897, *Professor Theodore Boveri*.
- OLSEN, SOPHIE YHLEN**,.....Rektorboligen, Roskilde, Denmark.
Fellow in Teutonic Philology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Greek and Latin, and A.M., 1899. A.M., University of Copenhagen, 1902. Graduate Scholar in English and Teutonic Philology, Bryn Mawr College, 1898-99; Student, Universities of Copenhagen and Leipsic, 1900-01; University of Copenhagen, 1901-02; Teacher of English Literature in the Zahle Institute for Teachers, Copenhagen, 1905-11; and Teacher of English in the State College for Teachers, Copenhagen, 1908-12.
Married, 1902, *Dr. Hans Henrik August Bertelsen*. Two daughters, one son.
- PARKER, EMMA HARRIET**,.....Charlestown, N. H.
Fellow in Chemistry, 1893-94. S.B., Smith College, 1887. Graduate Student in Chemistry, Bryn Mawr College, 1892-93, and Graduate Scholar in Chemistry, 1894-95; Instructor in Chemistry, Wellesley College, 1895-97; Teacher of Science in the High School, New Bedford, Mass., 1897-1900; Teacher of Chemistry in the High School, Newton, Mass., 1900-13, on leave of absence, 1909-10; Student in the School for Social Workers, Boston, Mass., 1913-14; Principal, Hindman Settlement School, Hindman, Ky., 1915-17.
- PARKHURST, HELEN HUSS**,.....See page 30.
Fellow in Philosophy, 1914-15.
- PARRIS, MARION**,.....See page 30.
Fellow in Economics and Politics, 1905-06.
- PARSONS, VERA LILLIAN**,.....70 Rusholme Road, Toronto, Canada.
Fellow in Romance Languages, 1913-14. B.A., University of Toronto, 1911, and M.A., 1912. Graduate Scholar in English, Toronto, Bryn Mawr College, 1912-13; Social Centre Director, Central Neighbourhood House, 1915-17.
- PASCHALL, ANNIE GOODE**,.....Died, 1895.
Fellow in Greek, 1894-95. A.B., Vanderbilt University, 1894.
- PEEBLES, FLORENCE**,.....See page 30.
Fellow in Biology, 1896-97.
- PEEBLES, ROSE JEFFRIES**,.....Vassar College, Poughkeepsie, N. Y.
Fellow in English, 1907-08. A.B., Mississippi State College for Women, 1891. Ph.D., Bryn Mawr College, 1911, subjects, English Philology, English Literature, and Old French. University of Chicago, Summer, 1897, 1898, 1905; Harvard University, Summer, 1902; Columbia University, Summer, 1903; Graduate Student in English, Bryn Mawr College, 1906-07, and Graduate Scholar and Fellow by Courtesy in English, 1908-09; Special Research Scholar and Student, British Museum and Bodleian Library, Oxford, Summer, 1909; Instructor in English, Vassar College, 1909-14, and Assistant Professor, 1914-17.
- PERKINS, ELIZABETH MARY**,.....See page 30.
Fellow in Latin, 1902-03.
- PERRY, LORINDA**,.....3230 Monroe Street, Chicago, Ill.
Fellow in Economics and Politics, 1911-13. A.B., University of Illinois, 1909, and A.M., 1910; Ph.D., Bryn Mawr College, 1913. Radcliffe Fellow, Women's Educational and Industrial Union, Boston, Mass., 1910-11; Head of Department of Political and Social Sciences, Rockford College, 1914-16; Associate in Department of Household Science, University of Illinois, 1916-17.
- PETTY, MARY**,.....211 South Ashe Street, Greensboro, N. C.
Fellow in Chemistry, 1895-96. S.B., Wellesley College, 1885. Teacher of Latin, Guilford College, 1888-93; Teacher of Chemistry and Physics in the State Normal and Industrial College, Greensboro, 1893-95, and 1896-99, and Head of Department of Chemistry, 1899-1917.
- PINNEY, MARY EDITH**,.....See page 23.
Fellow in Biology, 1910-11.

- POTTS, LAURETTE EUSTIS, 155 East 22nd Street, New York City.
Fellow in English, 1899-1900. Mistress of Pembroke Hall East, Bryn Mawr College, 1895-96. A.B., Bryn Mawr College, 1896, group, Latin and English. Sorbonne and Collège de France, 1896-97; Graduate Student, Bryn Mawr College, 1897-98, Reader in English, 1897-99; Student, University of Munich, 1900-01; Executive Secretary, Church Mission of Help, New York, 1915-17.
Married, 1905, *Mr. Lewis Frederic Pease*. One son, one daughter.
- PURDIE, ELEANOR, Ortler, Prestbury, Gloucestershire, England
Fellow in Greek, 1895-96. Newnham College, University of Cambridge, England, 1890-94; Classical Tripos, Part I, First Class, 1893; Part II, 1894; Ph.D., University of Freiburg, 1897. Holder of the Marion Kennedy Studentship, and Student in Indo-European Philology, University of Freiburg, 1894-95; Classical Mistress in the Notting Hill High School, London, 1897-98; Head Classical Tutor, Cheltenham Ladies' College, Cheltenham, England, 1898-1917.
- RABOURN, SARA BREWER FRANCIS, Centralia, Mo.
Fellow in Mathematics, 1906-07. A.B., University of Missouri, 1902, and A.M., 1904. Scholar in Mathematics, University of Missouri, 1903-04; Assistant Principal and Teacher of Mathematics in the High School, Fredericktown, Mo., 1907-08, and Principal, 1908-09; Head of the Mathematical Department in the High School, Hannibal, Mo., 1909-11; Student, American School of Classical Studies, Rome, Winter Term, 1911-12, and Newnham College, Cambridge, England, Spring Term, 1912; Instructor in Mathematics, State Normal School, Springfield, Mo., 1913; and in the Polytechnic High School, Santa Ana, Cal., 1913-14; Head of Department of Mathematics in the High School, Visalia, Cal., 1914-15.
- RAGSDALE, VIRGINIA, See page 31.
Fellow in Mathematics, 1902-03.
- RAND, GERTRUDE, See page 10.
Fellow in Philosophy, 1909-10, and Fellow in Psychology, 1910-11.
- RANDOLPH, HARRIET, 1310 South 47th Street, Philadelphia.
A.B., Bryn Mawr College, 1889; Ph.D., University of Zürich, 1892. Fellow in Biology, Bryn Mawr College, 1889-90; University of Zürich, 1890-92; Graduate Student, Bryn Mawr College, 1896-97, 1912-13, Demonstrator in Biology, 1892-1913, and Reader in Botany, 1893-1913; Travelling, 1913-16.
- REED, BERTHA, University of Montana, Missoula, Mont.
Fellow in Teutonic Philology, 1906-07. Illinois Woman's College, 1893-96; Ph.B., De Pauw University, 1898, and A.M., 1900; Ph.D., University of Chicago, 1913. University of Berlin, Winter Semester, 1902-03. University of Zürich, 1903, 1903-04; Instructor in German, Bradley Polytechnic Institute, Peoria, Ill., 1907-09; Extension Lecturer, University of Montana, 1914-17.
Married, 1909, *Professor George Raleigh Coffman*.
- REED, MARGARET ADALINE, . . . 500 Hawthorne Road, Roland Park, Md.
Fellow in Biology, 1908-09. A.B., Woman's College of Baltimore, 1901. Graduate Student in Biology, Bryn Mawr College, 1901-03, and Graduate Scholar, 1902-03. Wood's Holl Laboratory, Summers of 1900 and 1902; Assistant in Zoological Laboratory, Columbia University, 1903-05; University of Zürich, Summer, 1906; Assistant in Zoology, Columbia University, 1903-06; Lecturer in Physiology, New York Medical College for Women, and Barnard College, 1904-07; Instructor in Biology, Barnard College, 1907-08; Student in Berlin Königliches Institut für Infektionskrankheiten, Summer, 1908; Research Work in Johns Hopkins University Medical Department, 1910-11, 1913-14; Instructor in Anatomy and Physiology, Johns Hopkins Training School for Nurses, 1911-12; Collaborator, Carnegie Institution, Department of Embryology, 1915-17.
Married, 1910, *Dr. Warren H. Lewis*. Two daughters, one son.
- REIMER, MARIE, See page 31.
Fellow in Chemistry, 1899-1900, 1901-02.
- REYNOLDS, GRACE POTTER, Fairfield Avenue, Stamford, Conn.
Fellow in Chemistry, 1908-09. A.B., Smith College, 1904; A.M., Columbia University, 1905; Ph.D., Bryn Mawr College, 1910, subjects, Organic Chemistry, Physical and Inorganic Chemistry and Physics. Graduate Student, Columbia University, 1904-05; Assistant in Chemistry, Smith College, 1905-06; Assistant in Chemistry, Barnard College, 1906-08; Graduate Student, Bryn Mawr College, 1909-10; Research Worker in Chemistry, Barnard College, 1910-12.
Married, 1913, *Mr. Winthrop Merton Rice*. One daughter († 1914).

REYNOLDS, MINNIE BEATRICE,

474 Upper Mountain Avenue, Upper Montclair, N. J.

Fellow in Greek, 1897-98. A.B., University of California, 1895, and A.M., 1897. Instructor in Greek and Latin in the High School, Centerville, Cal., 1896-97; Fellow by Courtesy in Greek, Bryn Mawr College, 1898-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1898-99; Instructor in Latin, Vassar College, 1899-1900; Instructor in Greek in the High School, Los Angeles, Cal., 1900-01; Teacher of Greek and Latin in the High School, San Francisco, 1901-03; Advertising for New York firms, 1912, 1913; Volunteer Suffrage Worker, 1913-16.

Married, 1903, *Mr. James A. Kinkead*. Four sons.

RITCHIE, MARY HELEN, Died, 1905.

Fellow in Latin, 1898-99. A.B., Bryn Mawr College, 1896, group, Greek and Latin, A.M., 1897, and Ph.D., 1902, subjects, Latin and Greek. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1896-97, Graduate Student, 1897-98; Secretary of Bryn Mawr College, 1899-1904.

ROCK, AMY CORDOVA, 1455 Belmont Street, Washington, D. C.

Fellow in Chemistry, 1894-95. A.B., Bryn Mawr College, 1893, group, Physics and Chemistry. Assistant in Chemical Laboratory and Graduate Student, Bryn Mawr College, 1893-94; Student, University of Heidelberg, 1895-96; and University of Berlin, 1896-97; President, Washington Branch of the Association of Collegiate Alumnae, 1909-10; Volunteer Social Worker, 1900-17.

Married, 1899, *Mr. Frederick Leslie Ransome*. One son, three daughters.

ROE, ADAH BLANCHE, See page 31.

Fellow in German, 1912-13.

ROLFE, MARTHA DEETE, 601 John Street, Champaign, Ill.

Fellow in Geology, 1914-15. B.S., University of Illinois, 1900, and A.M., 1904. Instructor in Science in Illinois Woman's College, 1905-10, and Professor of Physiography, 1908-10; Graduate Student, University of Illinois, 1913-14, 1915-16.

RUSK, FERN HELEN, See page 31.

Fellow in Archæology, 1914-15.

SALISBURY, LENA BELLE, R. F. D., 5, Oswego, N. Y.

Fellow in Latin, 1913-14. A.B., Syracuse University, 1910, and A.M., 1913. Teacher, Chittanooga, N. Y., 1910-11; Weedsport, N. Y., 1911-12; Goodyear-Burlingame School, Syracuse, N. Y., 1912-13; Teacher of Latin and Greek in Drew Seminary for Young Women, Mt. Carmel, N. Y., 1914-17.

SALMON, LUCY MAYNARD, Poughkeepsie, N. Y.

Fellow in History, 1886-87. A.B., University of Michigan, 1876, and A.M., 1883. Teacher of History in the Indiana State Normal School, 1883-86; Associate Professor of History, Vassar College, 1887-89, and Professor of History, 1889-1917.

SANDISON, HELEN ESTABROOK, See page 31.

Fellow in English, 1908-09.

SATTERTHWAITE, SARAH E., 2037 Franklin Avenue, Toledo, O.

Fellow in Greek, 1886-87. A.B., University of Michigan, 1886. Assistant in Greek and Latin, Hope College, Holland, Mich., 1887-88; Private Tutor in Greek and Latin, 1898-1900.

Married, 1890, *Dr. Francis Alexander Leslie*. One son.

SCHAEFFER, HELEN ELIZABETH, See page 31.

Fellow in Physics, 1904-05.

SCHENCK, EUNICE MORGAN, See page 31.

Fellow in Romance Languages, 1912-13.

SEWALL, HANNAH ROBIE, Forest Glen, Md.

Fellow in History, 1888-89. A.B., University of Minnesota, 1884, and Ph.D., 1898; A.M., University of Michigan, 1887. Fellow by Courtesy in History, Bryn Mawr College, 1889-90; Assistant in Political Science, University of Minnesota, 1893-1901; Assistant, Boston Children's Aid Society, 1904-07.

- SHAPIRO, REBECCA,.....Marshfield, Wis.
Fellow in Romance Languages, 1900-01. L.B., University of Wisconsin, 1898, and L.M., 1900. Graduate Student, University of Wisconsin, 1899-1900; Assistant Principal of the High School, Grand Rapids, Wis., 1902-03.
Married, 1904, *Mr. Richard Strauss*. One daughter.
- SHEARER, EDNA ASTON,.....See page 32.
Junior Fellow in Philosophy, 1904-05; Fellow in Philosophy, 1906-07.
- SHEAVYN, PHOEBE A. B.,
Ashburne Hall, Fallowfield, Manchester, England.
Fellow in English, 1895-96. Scholar, University College of Wales, Aberystwyth, Wales, 1887-89, and 1892-94; B.A., University of London, 1889; M.A., 1894, and D.Litt., 1906. Member of Governing Court of University of Wales; Member of Senate of University of Manchester; Reader in English, Bryn Mawr College, 1894-95; Lecturer and Tutor in English Literature to the Association for Promoting the Education of Women in Oxford, England, 1896-1905; Resident Tutor and Lecturer in English, Somerville College, University of Oxford, England, 1897-1905; Member of Governing Committee of Women's University Settlement, Southwark, London, 1900-07; Senior Tutor for Women Students, University of Manchester, Warden of Ashburne Hall and Lecturer in English Literature, 1907-17.
- SHOEMAKER, JANE CUSHING,.....Died, 1910.
Fellow in Economics and Politics, 1909-10. A.B., Bryn Mawr College, 1905, group, History and Economics and Politics, and A.M., 1910. Graduate Student, Bryn Mawr College, 1907-08.
- SHUTE, HELEN WINIFRED,.....331 Hammond Street, Bangor, Me.
Fellow in Teutonic Philology, 1893-94. A.B., Smith College, 1887. Assistant in German, Smith College, 1887-93; Fellow by Courtesy in Teutonic Philology, Bryn Mawr College, 1894-95; Student in Teutonic Philology, University of Göttingen, 1895-99; Alumnae Trustee of Smith College, 1902-05.
Married, 1900, *Professor Warren J. Moulton*.
- SINCLAIR, ALICE,.....Wailuku, Maui, H. I.
Fellow in Teutonic Philology, 1903-04. Ph.B., Oberlin College, 1889. Teacher of German and Science in the Kent Place School, Summit, N. J., 1900-02; Student, University of Marburg, 1902-03; Teacher of German and English, Brockport State Normal School, Brockport, N. Y., 1904-05, and of French and German, 1905-06.
Married, 1906, *The Rev. Rowland Backus Dodge*. Two daughters, two sons.
- SMITH, AMELIA CATHERINE,.....4515 Regent Street, Philadelphia.
Fellow in Biology, 1900-01. S.B., University of Pennsylvania, 1899. Graduate Scholar in Biology, Bryn Mawr College, 1899-1900; Demonstrator in Zoology, University of Pennsylvania, 1901-02; Graduate Student, University of Pennsylvania, 1904-06.
Married, 1901, *Mr. Philip Powell Calvert*.
- SMITH, EVA MARIA, . . . Girls' High School, Rotherham, Yorkshire, England.
Fellow in Mathematics, 1908-09. Newnham College, University of Cambridge, 1904-08. Graduate in Honours, First Class, Cambridge Mathematical Tripos, Part I, 1907, and Part II, 1908; Lecturer in Mathematics at the Ladies' College, Cheltenham, 1910-16; Head Mistress, Girls' High School, Rotherham, 1916-17.
- SMITH, LOUISE PETTIBONE,.....Winchester Centre, Conn.
Fellow in Semitic Languages, 1912-13, 1914-15. A.B., Bryn Mawr College, 1908. Instructor in Hardin College, Mexico, Mo., 1908-11. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1911-12; Thayer Fellow and Student, American School of Oriental Studies in Jerusalem, 1913-14; Instructor in Biblical History, Wellesley College, 1915-17.
- SMITH, MINNA STEELE,.....Newnham College, Cambridge, England.
Fellow in Teutonic Philology, 1894-96. Newnham College, University of Cambridge, 1890-94; Mediæval and Modern Languages Tripos, First Class, 1893. Assistant Lecturer in English, Newnham College, 1896-98; Staff Lecturer in Mediæval and Modern Languages, Newnham College, 1898-1913, and Director of Studies in Mediæval and Modern Languages, 1905-13; Lecturer in English, Girton College, University of Cambridge, 1898-1903, and 1906-17.
- SMITH-GOARD, EUNICE CLARA,84 Keeler Avenue, Bridgeport, Conn.
Fellow in English, 1909-10. A.B., Brown University, 1907, and A.M., 1909. Graduate Student and Fellow by Courtesy, Bryn Mawr College, 1910-11; Student of Music, 1911-15; Teacher of French in Wilkes Barre Institute, Wilkes Barre, Pa., 1911-15; Instructor in French, Wellesley College, 1915-17.

SOUTHWORTH, EFFIE A.,.....Loma Linda, Cal.

Fellow in Biology, 1885-86. S.B., University of Michigan, 1885. Student Assistant in the Biological Laboratory, Bryn Mawr College, 1886-87; Assistant Mycologist of the United States Agricultural Bureau, Washington, D. C., 1887-92; Assistant in Botany, Barnard College, 1892-95; Working for the Carnegie Institution, Washington, 1910-11. Married, 1896, *Mr. Volney Morgan Spalding*.

SPALDING, MARY CAROLINE,.....Wilson College, Chambersburg, Pa.

Fellow in English, 1910-11. A.B., Vassar College, 1901; Ph.D., Bryn Mawr College, 1912, subjects, English Philology, English Literature and French Philology. Graduate Student, Bryn Mawr College, 1906-08, and Graduate Scholar, 1908-10; Fellow by Courtesy, and Graduate Scholar, 1911-12; Teacher in the Misses Shipley's School, Bryn Mawr, 1901-10, and Assistant to the Misses Shipley and Tutor, 1912-13; Head of Department of English, Fairmont Seminary, Washington, D. C., 1913-14; John Edgar Memorial Professor of English, Wilson College, 1914-17.

SPENCER, FANNIE GRACE CLARA, 1811 S. Third Street, Terre Haute, Ind.

Research Fellow in Chemistry, 1909-10. B.S., University of Illinois, 1908, and A.M., 1909. Teacher of Science and Bookkeeping in the East Chicago High School, 1910-11.

SPRAY, RUTH GLADYS, 229 Rock Creek Church Road, Washington, D. C.

Fellow in Biology, 1912-13. A.B., Kansas State University, 1911. Graduate Scholar in Biology, Bryn Mawr College, 1911-12.

Married, 1915, *Mr. Edward Lawrence Griffin*.

STEVENS, NETTIE MARIA,.....See page 32.

Fellow in Biology, 1902-03.

STEWART, ANNE AMELIA,.....28 South Street, Halifax, N. S.

Fellow in Mathematics, 1886-87. University College, London, 1880-82; B.Sc., Dalhousie College, 1886. Teacher of Mathematics in Miss Mary E. Stevens's School, Germantown, Philadelphia, 1888-93, 1895-96; Student in Mathematics and Physics, Newnham College, University of Cambridge, England, 1893-95; Teacher of Mathematics in the Stevens' School, Germantown, 1896-99; Private Tutor, 1900-03, 1908-09; Teacher of Mathematics, St. Margaret's College, Toronto, Canada, 1903-04; Teacher of Mathematics, Miss Knox's School, Briarcliff Manor, N. Y., 1905-06.

STOCKING, RUTH JENNINGS,.....Wickliffe, Lake County, O.

Fellow in Biology, 1911-12. A.B., Goucher College, 1910; Ph.D., Johns Hopkins University, 1910. Graduate Student, Johns Hopkins University, 1910-11, 1913-15, and Fellow in Zoology, 1912-13; Alice Freeman Palmer Research Fellow of Wellesley College, 1912-14; Professor of Biology, Agnes Scott College, Decatur, Ga., 1915-16, and in Wells College, 1916-17.

STREET, JENNETTE ATWATER,...47 Lakeview Avenue, Cambridge, Mass.

Fellow in Latin, 1895-96. A.B., University of Toronto, 1895. Teacher of Classics, St. Margaret's College, Toronto, Canada, 1897-1901; Suffrage Worker, 1912-17.

Married, 1901, *Professor Edward C. Jeffrey*. One son.

SUMNER, LOUISE MAUDSLEY,.....1920 Selby Avenue, St. Paul, Minn.

Fellow in History, 1913-14. A.B., University of Minnesota, 1912, and A.M., 1913. Teacher of History in the Columbus School for Girls, Columbus, O., 1914-17.

SWEET, MARGUERITE,.....602 West 190th Street, New York City.

Fellow in English, 1891-92. A.B., Vassar College, 1887; Ph.D., Bryn Mawr College, 1892, subjects, English and Teutonic Philology. Graduate Student in Teutonic Philology and English, Bryn Mawr College, 1889-90, Graduate Scholar in Teutonic Philology, 1890-91; Instructor in English, Vassar College, 1892-97; Professor of English Literature, Mount Holyoke College, 1897-99; Teacher of English in the Misses Ely's School, New York City, 1899-1905; Principal of the Hawthorne School, New York City, 1906-13; Head of the English Department in the Veltin School, New York City, 1914-15.

SWINDLER, MARY HAMILTON,.....See page 32.

Fellow in Greek, 1907-09.

TAYLOR, LILY ROSS,.....Vassar College, Poughkeepsie, N. Y.

Fellow in Latin, 1907-08. A.B., University of Wisconsin, 1906. Ph.D., Bryn Mawr College, 1912, subjects, Latin and Classical Archaeology. Student, University of Bonn and American School of Classical Studies, Rome, 1909-10; Graduate Scholar in Latin, Bryn Mawr College, 1906-07; Graduate Student in Greek and Latin, and Reader in Latin, 1908-09; Reader and Demonstrator in Archaeology, 1910-12; Instructor in Latin, Vassar College, 1912-17.

THOMPSON, CHARLOTTE DE MACKLOT,.....The Terraces, Camden, S. C.
Fellow in Romance Languages, 1896-97. A.B., Bryn Mawr College, 1896, group, Greek and French, and A.M., 1897.

THOMPSON, FRANCES D'ARCY,
Care of Messrs. McCleod and Co., 31 Dalhousie Square, Calcutta,
India.

Fellow in Greek, 1911-12. Girton College, University of Cambridge, England, 1903-06. Graduate in Honours, First Class, Classical Tripos, Part I, 1906. M.A., Royal University of Ireland, 1907; Examiner in Latin, Royal University of Ireland, 1907-08; Classical Mistress in the High School, Portsmouth, England, 1906-08; Classical Teacher, Rosemary Hall, Greenwich, Conn., 1908-10; Reader in Latin, and Graduate Student, Bryn Mawr College, 1910-11.

Married, 1912, *Mr. Robert J. Hallidy.*

TIBBALS, KATE WATKINS,.....Sandy Hook, Conn.

Fellow in English, 1901-02. A.B., Wellesley College, 1899; Ph.D., University of Pennsylvania, 1904. Graduate Scholar in English, Bryn Mawr College, 1900-01; Fellow in English, University of Pennsylvania, 1902-03, and University Fellow, 1903-04; Instructor in English Literature, Wellesley College, 1904-05; Instructor in English, Vassar College, 1905-09; Associate Professor of English, Wells College, 1909-12; Private Tutor, Editorial and Clerical work, 1915-17.

TODD, GRETCHEN,.....Old Short Hills Road, Millburn, N. J.
Fellow in Romance Languages, 1915-16. A.B., Smith College, 1913. Student in Madrid, Spain, 1913-15.

TORRELL, ELLEN,.....438 W. Washington Avenue, Madison, Wis.
Fellow in Biology, 1903-04. Ph.B., University of Minnesota, 1901, and A.M., 1902. Graduate Scholar, Bryn Mawr College, 1902-03; Dean of Milwaukee-Downer College and Professor of Biology, 1905-08; Scholar of the Naples Table Association for Promoting Scientific Research by Women, 1909; Research Worker in Biology, 1912-13; Lecturer and Writer, 1914-15; Lecturer, Extension Division, University of Wisconsin, 1915-17.

Married, 1912, *Mr. Lewis Bernard Nagler.* One son.

TOWLE, ELIZABETH WILLIAMS,.....The Baldwin School, Bryn Mawr, Pa.
Fellow in Biology, 1899-1900. A.B., Bryn Mawr College, 1898, group, Chemistry and Biology, and A.M., 1899. Graduate Scholar in Physics and Biology, Bryn Mawr College, 1898-99; Teacher of Science in the High School, Middletown, Conn., 1900-01; Instructor in Biology, Rockford College, Rockford, Ill., 1901-03; Fellow in Physiology, University of Chicago, 1903-04; Graduate Student, Columbia University, 1904-06; Teacher of Physiology in Miss Jacobi's School, New York City, 1904-05; Teacher of Science in the Baldwin School, Bryn Mawr, 1907-17.

TRAVER, HOPE,.....See page 33.
Fellow in English, 1903-04.

TREVVETT, LILY FRANCES,.....1715 Park Avenue, Richmond, Va.
Fellow in History, 1914-15. A.B., Richmond College, 1909; A.M., Johns Hopkins University, 1913. Teacher of Mathematics, High School, Barton Heights, Va., 1909-11; Graduate Student, Johns Hopkins University, 1911-13; Teacher of History and Mathematics, Lee-Maury High School, Bowling Green, Va., 1913-14; Professor of History, Woman's College, Richmond, 1915-16; Teacher in the Maury High School, Norfolk, Va., 1916-17.

UNGER, JEANETTE,.....156 West 86th Street, New York City.
Fellow in Economics, 1915-16. A.B., Barnard College, 1914, and A.M., Columbia University, 1915. Graduate Student, Columbia University, and Assistant Statistician, New York City Board of Charities, 1914-15.

Married, 1916, *Mr. Allen Thurman Kander.*

URDAHL, MARGERETHE,.....Charleston, Ill.
Fellow in Teutonic Philology, 1900-02, and Special Fellow in Teutonic Philology, 1902-03, L.B., University of Wisconsin, 1896, and Ph.D., Bryn Mawr College, 1904, subjects, Teutonic Philology, German Literature and Sanskrit. Student, University of Berlin, 1898 and 1899; University of Heidelberg, Summer Term, 1899; University of Christiania, October, 1899; Teacher of German and Latin in the Cheltenham Hills School, Wyncote, Pa., 1903-04; Teacher of German and History, Eastern Illinois State Normal School, Charleston, Ill., 1905-06.

Married, 1906, *Mr. Lewis Albert Anderson.*

VAN DEMAN, ESTHER BOISE, 2514 Thirteenth Street, Washington, D. C.
Fellow in Latin, 1892-93. A.B., University of Michigan, 1891, and A.M., 1892; Ph.D., University of Chicago, 1898. Instructor in Latin, Wellesley College, 1893-95; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., 1895-96; Fellow in Latin, University of Chicago, 1896-98; Acting Professor of Latin, Mount Holyoke College, 1898-99, and Associate Professor of Latin, 1899-1901; American School of Classical Studies, Rome, 1901-03; Associate Professor of Latin, the Woman's College, Baltimore, 1903-06; Fellow in Classical Archaeology of the Carnegie Institution, Rome, 1906-09, and Research Associate of the Carnegie Institution of Washington, 1910-13.

VAUGHAN, AGNES CARR, 2714 Morgan Street, Tampa, Fla.
Fellow in Greek, 1915-16. A.B., Galloway College, 1907; A.M., University of Michigan, 1910. Fellow, University of Michigan, 1910-11; Associate in Greek and Latin, Hardin College, Mexico, Mo., 1911-15; Graduate Student, Columbia University, 1916-17.

WADDELL, MARY EVELYN GERTRUDE,
655 Spadina Avenue, Toronto, Canada.
Fellow in Mathematics, 1904-05. A.B., University of Toronto, 1903, and A.M., 1904. Graduate Scholar in Mathematics and Physics, Bryn Mawr College, 1903-04; Instructor in Mathematics in St. Margaret's College, Toronto, 1906-12, and Graduate Student, University of Toronto, 1906-11; Private Tutor in Mathematics, 1912-17.

WALKER, ANNA MARTHA, 1136 South Alvarado Street, Los Angeles, Cal.
Fellow in Latin, 1905-06. A.B., Bryn Mawr College, 1895, group, Greek and Latin; A.M., Leland Stanford, Jr., University, 1901. Teacher of English in the National Institute for Girls, Guatemala City, Central America, 1896-97; Graduate Student, Leland Stanford, Jr., University, 1897-98, 1900-01; Graduate Student, Bryn Mawr College, Second Semester, 1898-99; Teacher in the Misses Wyllie's School, Mt. Holly, N. J., 1899-1900; Teacher of Latin and French in the High School, Ogden, Utah, 1901-02, and Teacher of Latin and Spanish, 1902-04; Student, American School of Classical Studies, Rome, 1904-05; Teacher of Greek and Latin in the High School, Los Angeles, Cal., 1906-17.

WARREN, WINIFRED, See page 33.
Fellow in Latin, 1893-94.

WEEKS, EULA ADELINE, Rich Hill, Mo.
Fellow in Mathematics, 1909-10. A.B. and B.S., University of Missouri, 1908, A.M., 1909, and Ph.D., 1915. Teacher in the High School, Rich Hill, Mo., 1901-05; Teacher of Mathematics in the Misses Shipley's School, and Graduate Student, Bryn Mawr College, 1910-12; Instructor in Mathematics, Mount Holyoke College, 1912-13; Assistant in Mathematics, University of Missouri, 1913-14, Fellow in Mathematics, 1914; Teacher of Mathematics in the Grover Cleveland High School, St. Louis, Mo., 1915-17.

WERGELAND, AGNES MATHILDE, Died, 1914.
Fellow in History, 1890-91. Studied under the direction of Prof. Konrad Maurer, Munich, 1884-86; University of Zürich, 1888-90; Ph.D., University of Zürich, 1890. Reader in History of Art, Bryn Mawr College, 1891-93; Docent in History, University of Chicago, 1896-1902, and Non-Resident Reader in History, University Extension Division, 1903-05, and Non-Resident Instructor, 1906-09; Professor of History and French, University of Wyoming, 1902-09, and of History and Spanish, 1909-14.

WHITE, FLORENCE DONNELL, Vassar College, Poughkeepsie, N. Y.
Fellow in French, 1907-08. A.B., Mount Holyoke College, 1903, and A.M., 1907; Ph.D., Bryn Mawr College, 1915, subjects, French Literature, Old French Philology, and Spanish. Student, University of Paris, 1903-04; Graduate Scholar in Romance Languages, Bryn Mawr College, 1906-07; Instructor in French, Vassar College, 1908-15, and Assistant Professor, 1915-17.

WILKINSON, ANNIE LYNDESAV,
7125 Greene Street, Germantown, Philadelphia.
Fellow in Mathematics, 1899-1900. A.B., Vassar College, 1897, and A.M., 1898. Graduate Scholar, Vassar College, 1897-98. Babbott Fellow of Vassar College, and Graduate Scholar in German and Mathematics, Bryn Mawr College, 1898-99; Instructor in Mathematics, Vassar College, 1900-02; Suffrage Worker, 1913-16.
Married, 1902, *Dr. Joseph Head*. Two daughters, two sons.

WILLCOX, MARGUERITE, Oxford, N. Y.
Fellow in Chemistry, 1914-15. A.B., Mount Holyoke College, 1913; Ph.D., Bryn Mawr College, 1916. Graduate Scholar, Bryn Mawr College, 1913-14, Fellow by Courtesy, 1915-16; Instructor in Chemistry, Agnes Scott College, 1916-17.

WILLIAMS, ELLA CORNELIA, 609 West 127th Street, New York City.
Fellow in Mathematics, 1885-86. A.M., University of Michigan, 1880. Studied under Professor Schwarz, Göttingen, Germany, 1883-85; Newnham College, University of Cambridge, England, Spring Term, 1884; Teacher of Mathematics in Miss Moses's School, New York City, 1886-87; Teacher of Mathematics in the State Normal School, Plymouth, N. H., 1887-89; Teacher of Mathematics in Miss Spence's School, New York City, 1892-1917.

WILLIS, GWENDOLEN BROWN, 329 Dolphin Street, Baltimore, Md.
Fellow in Greek, 1902-04. A.B., University of Chicago, 1896, Ph.D., Bryn Mawr College, 1906, subjects, Greek and Archæology. Graduate Student, University of Chicago, 1900-01; American School of Classical Studies, Athens, 1901-02; Professor of Greek, Milwaukee-Downer College, and Teacher of Latin in Milwaukee-Downer Seminary, 1904-13; Student in Columbia University, on leave of absence, 1910-11; Teacher of Greek and Latin in the Bryn Mawr School, Baltimore, Md., 1914-16.

WINSTON, MARY FRANCES, 1620 Massachusetts Street, Lawrence, Kans.
Fellow in Mathematics, 1891-92. A.B., University of Wisconsin, 1889; Ph.D., University of Göttingen, 1897; Teacher of Mathematics, Downer College, 1889-91; Honorary Fellow in Mathematics, University of Chicago, 1892-93; Holder of the European Fellowship of the Association of Collegiate Alumnae, 1895-96; Student in Mathematics, University of Göttingen, 1893-96; Professor of Mathematics, Kansas State Agricultural College, 1897-1900; Assistant Professor of Mathematics, Washburn College, Topeka, Kans., 1913-17.

Married, 1900, *Mr. Henry Byron Newson* († 1910). Two daughters, one son.

WOOD, IDA, 300 Ardmore Avenue, Ardmore, Pa.
Fellow in English, 1888-89. A.B., Vassar College, 1877, and A.M., 1889; Ph.D., Bryn Mawr College, 1891. Graduate Student in English, Bryn Mawr College, 1887-88, 1889-90, and Fellow by Courtesy in English, 1890-91; Secretary of the Woman's Department, University of Pennsylvania, 1892-93; Secretary of the Bryn Mawr School, Baltimore, Md., 1894-96.

SUMMARY OF FELLOWSHIPS AWARDED.

EUROPEAN FELLOWSHIPS.	Founded by	Date.	Number of Holders.
Bryn Mawr (for Senior Class)	The Trustees	1885	28
Mary E. Garrett (for second year graduates).....	Miss Garrett	1894	23
President M. Carey Thomas (for first year graduates)....	Miss Garrett	1896	21
Anna Ottendorfer Memorial Research Fellowship in Teutonic Philology.....	Mrs. Anna Woerishoffer	1907	6††
SPECIAL EUROPEAN FELLOWSHIPS.	Given by.		
Bryn Mawr Research.....	Anonymous Donor	1906	1
Special European.....	Anonymous Donor	1909	1
Special European.....	Anonymous Donor	1915	1
Special European.....	Anonymous Donor	1916	1
Total number of European Fellows, omitting duplicates.....			80

RESIDENT FELLOWSHIPS.	Founded by the Trustees in	Number of Holders.
In Greek.....	1885.....	27**§§††
In Latin.....	1892.....	24
In English.....	1885.....	28*§
In Teutonic Philology.....	1893.....	16††
In Romance Languages.....	1893.....	19§
In Semitic Languages.....	1912.....	3§
In History or Economics and Politics.....	1885.....	29§
In Economics and Politics.....	1912.....	5§
In Social Research.....	1915.....	2
In Philosophy or Psychology.....	1896.....	13§§
In Psychology.....	1915.....	2
In Archæology.....	1909.....	4§
In Mathematics.....	1885.....	25††
In Physics.....	1896.....	13
In Chemistry.....	1893.....	19††
In Geology.....	1912.....	4
In Biology.....	1885.....	23††
Research Fellowship in Chemistry.....	1907.....	3†
Helen Schaeffer Huff Research Fellowship in Physics or Chemistry, founded by an anonymous donor in 1913.....		3†§
Total number of Resident Fellows, omitting duplicates.....		265
Total holders of Fellowship, omitting duplicates.....		305‡

* Two students have held Fellowships in English who also held Fellowships in other subjects.

† Two of these students previously held a Fellowship in Chemistry.

‡ Of these forty-one have held both European and Resident Fellowships.

§ One student held this Fellowship for two years.

** One of these students previously held a Fellowship in Latin and one a Fellowship in English.

†† Two students held this Fellowship for two years.

‡‡ Three students held this Fellowship for two years.

§§ Four students held this Fellowship for two years.

¶ One of these students previously held a Fellowship in Chemistry.

BRYN MAWR COLLEGE.

GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, five miles from Philadelphia, was endowed by Dr. Joseph W. Taylor of Burlington, New Jersey, who purposed founding an institution of learning for the advanced education of women which should afford them "all the advantages of a college education that are so freely offered to young men." In the spring of 1885 the first program was issued, and the college opened for instruction in the following autumn.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately. No undergraduates are admitted to graduate courses.

Regulations of the Graduate Department.

From the first it has been the policy of the Trustees of Bryn Mawr College to organize no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years provides preparation in the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one or two years and offered as one of the two minor or secondary subjects.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing.* They may pursue any

* The certificates of the women's colleges of the English Universities of Oxford and Cambridge, are regarded as equivalent to a first degree,—i. e., to the degree of Bachelor of Arts.

courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses. They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs will be considered in the arrangement of new courses of lectures; they must consult the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiencies in this respect.

Fellowships and Scholarships.

The most distinguished place among the graduate students is held by the Fellows, who must reside in the college during the academic year. Eighteen resident fellowships, of the value of five hundred and twenty-five dollars each, are awarded annually in Greek, Latin, English, German and Teutonic Philology, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Psychology, Archæology, Mathematics, Physics, Chemistry, Geology, and Biology, in Economics and Politics, named the Justus C. Strawbridge Fellowship, and two in Social Economy and Social Research, the Carola Woerishoffer Fellowships. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honour, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success.

The holder of a fellowship is expected to devote at least one

half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in some other manner, that her studies have not been without result.

The Helen Schaeffer Huff Memorial Research Fellowship of the value of seven hundred and fifty dollars, founded in 1913, is awarded annually to a student pursuing advanced graduate work in either Physics or Chemistry, to be held during one year's work at Bryn Mawr College.

Applicants for this fellowship must be students who have done advanced graduate work at Bryn Mawr College or at other colleges or universities. They must have shown distinct ability in their work and at the time of application must have in outline or actually in hand some definite piece of research work. The holder of the fellowship must do her major work under the direction of the Department of Chemistry or of the Department of Physics. In awarding the fellowship the ability of the applicant to do the best kind of research work will be considered. Where equally good candidates are considered, preference will be given to a student working on problems which may be considered to lie along the borderline between Chemistry and Physics. The fellowship may under exceptional circumstances be awarded in consecutive years to the same student, or the fellowship may be given to a graduate student studying at Bryn Mawr College to be held during one year's work at some other American college or university if in the opinion of the Committee it is imperative for that student to go to some other college or university in order to complete an important piece of investigation.

All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of departmental libraries in the seminaries and in the halls of residence, but no

such service may be required of them except by a written request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other duties in addition to their college work. Fellows* are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary fee.

Twenty Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars* are expected to reside in the college, to attend all college functions, to wear academic dress, and to assist in the conduct of examinations.

A resident College Settlements Association joint fellowship† was established in 1915 and is offered by the College Settlements Association and by some alumnae of Bryn Mawr College to a Bryn Mawr College graduate who wishes to prepare herself for settlement work. The value of the fellowship is \$525, \$125 of which is given by the College to meet the tuition fee. The holder of the fellowship is required to live in the College Settlement in Philadelphia and to give her entire time to the work of the Department of Social Economy; she is also required to devote one-third of her time to a seminary which includes a practicum, carried on in the Settlement. Applications may be sent either to Miss Helen F. Greene, 80 Pinckney Street, Boston, Mass., or to the President of Bryn Mawr College.

The Susan B. Anthony Memorial Scholarship in Social Economy and Social Research or in Politics, founded in 1910, of the value of four hundred dollars, is open to a candidate who wishes to devote herself to studies dealing with the position of women in industry and politics and who gives promise in her work of success in this field.

* It is expected that fellows and scholars of the college will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

† The term fellowship is used here because adopted by the College Settlement Association. The condition of one year's graduate study required of candidates for Bryn Mawr College resident fellowships does not apply.

The Robert G. Valentine Memorial Scholarship in Social Economy and Social Research of the value of two hundred dollars is offered by Mrs. Frank W. Hallowell of Chestnut Hill, Massachusetts, to be awarded by the President and Faculty of Bryn Mawr College on the recommendation of the Director of the Carola Woerishoffer Department of Social Economy and Social Research to a candidate approved by the donor. It is open to graduates of Bryn Mawr College or of any other college of good standing.

Twelve graduate scholarships of the value of four hundred and five dollars each are offered, four for English, Scotch, or Irish women, three for French women, three for German women, one for Swiss women and one for women from Scandinavia or the Netherlands. On account of the war conditions in 1917 this distribution will not be strictly adhered to and may be modified. They are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, room-rent, including light, heat, and service, and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence.*

Application for resident fellowships or scholarships should be made as early as possible to the President of the College,† and must be made not later than the first of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within about two weeks from the latest date set for receiving applications. Any original

* For the rates see page 69.

† Applications for the scholarships should be accompanied by full particulars of the candidate's academic work by diplomas or certificates and by letters of recommendation from professors and should be addressed to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A.

papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of seven hundred dollars applicable to the expenses of one year's study and residence at some German university is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German.

Two European fellowships, founded by the late Miss Mary E. Garrett, of Baltimore, are open to graduate students who are enrolled as candidates for the degree of Doctor of Philosophy. One, founded in 1896, and named by the donor the President M. Carey Thomas Fellowship, is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College; the other, founded in 1894, and known as the Mary E. Garrett Fellowship, is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. These fellowships, of the value of five hundred dollars each, are intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges, who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given

at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have worked as a graduate student at Bryn Mawr College for a full year* during which at least two-thirds of her time must have been devoted to advanced work in closely related lines according to a course of study approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee before the third week of October. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy for the degree to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

* It is understood that the work done for the degree of Master of Arts does not necessarily count as a full year towards the degree of Doctor of Philosophy and Master of Arts.

REQUIREMENTS.

1. *Time*.—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence*.—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

3. *Subjects*.—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorized in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses*.—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university, the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognized by the Graduate Committee as seminars;* in the independent minor she shall take for one year two seminars, or graduate courses recognized as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminars and one journal club for at least two years must be taken before the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

* A course will not be regarded as equivalent to a seminary unless it requires about a third of the student's time.

5. *Dissertation.*—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita), of which two must be bound in a specified manner, must then be supplied to the College. The candidates shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations.*—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

Registration.—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit* to the Graduate Committee in writing an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

Expenses.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half-yearly in advance. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.† This arrangement is made especially for non-resident graduate students, but those

* Using the application blank issued by the Graduate Committee.

† The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on page 67 are charged in addition to the charge for tuition.

who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee will be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in geology each hour of field work counts as one hour of laboratory work.

Graduate students taking courses in the department of Social Economy and Social Research are charged a laboratory fee of five dollars a semester and are also required to provide themselves with a 100-trip ticket between Bryn Mawr and Philadelphia costing \$13.90. Any extra expenses for train fares or car fares or other charges in connection with the work required by the department will be defrayed by the department.

Residence.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved

for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred and twenty-five dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating and light.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden.

Application for rooms should be made as early as possible. The demand for graduate rooms is very great, and since every room unnecessarily reserved may prevent some other student from entering the college, a deposit of fifteen dollars is required in order that the application may be registered. In case the applicant enters the college in the year for which the room is reserved, the amount of the deposit is deducted from the first college bill. If she changes the date of her application or files formal notice of withdrawal at the secretary's office before July fifteenth of the year for which the application is made, the deposit will be refunded. If, for any reason whatever, the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College. Students making application for a room for the second semester forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved. In order to make application for a room it is

necessary to sign a room-contract, which will be sent on application, and return it with the fee of fifteen dollars to the Secretary of the College. A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if formal notice of withdrawal is not filed at the secretary's office on or before May first of the current year.

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room for the second semester is responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal for any cause whatever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

Any student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam. The air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week.

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$1.20 a day or \$8.40 a week. At Christmas the college halls are closed, but accommodation is provided on or near the college campus. At Easter graduate students may occupy their own rooms in the halls of residence at the above rate. Graduate students remaining during the vacations in the neighbourhood of Bryn Mawr are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation unless they inform the Secretary of the College in advance of their intention to spend the vacation elsewhere, and register their addresses in the college office.

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, the Senior Warden, and the physicians of the college.

The Associate Physician of the college is in her office in the college during the hours from four to five-thirty of every afternoon, except Sunday, and may be consulted by the students without charge.

Graduate students who are elected to fellowships or scholarships, or who are admitted to the college, are required to have a medical examination and to follow the health directions of the physicians of the college which will be given them after the examination; and holders of fellowships and scholarships who are reported by the physicians of the college as suffering from uncorrected eye trouble will be expected to take the necessary measures to correct it.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organized in 1892. All person studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The college reserves the right to exclude at any time and to cancel the fellowships or scholarships held by students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

In 1893 the Bryn Mawr Graduate Association was organized by the graduate students then in residence, its object being to further the social life of the graduate students and to facilitate interchange of opinion with students of other colleges and universities doing graduate work. A room in Denbigh Hall is set apart by the college to be used by the members as a club-room. Informal meetings are frequently held in this room, and several times during the year the Association invites the Faculty and friends of the college to larger social gatherings, which are addressed by well-known speakers.

Summary of Expenses of Graduate Students.

Tuition for the semester, payable on registration:

For one hour* a week of lectures.....	\$ 10.00
For two hours a week of lectures.....	\$ 20.00
For three hours a week of lectures.....	\$ 30.00
For four or five hours a week of lectures.....	\$ 40.00
For six or more hours a week of lectures.....	\$ 62.50

Room-rent for the academic year, payable on registration..... \$ 50.00

Board for the semester payable on registration..... \$112.50

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures.....	\$125.00
Room-rent.....	\$ 50.00
Board.....	\$225.00
Infirmary fee.....	\$ 5.00

Total for tuition, residence, and infirmary care for the academic year .. \$405.00

Laboratory fees for the academic year.....\$10 to \$36

Students whose fees are not paid before November first in the first semester and before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the college and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Ethel Pew, Morris Avenue, Bryn Mawr, Pa., Miss Kathrine Leonard Howell, 3307 Hamilton Street, Philadelphia, Mrs. Robert Darrah Jenks, 1704 Rittenhouse Street, Philadelphia, and Miss Doris Earle, Chestnut Hill, Pa. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for any given year should be made before May 1st of the preceding academic year.

Libraries.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past thirty years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about seventy-five thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical

* See footnote, page 66.

library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 81 and 104.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München.	Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.
*Amherst Graduates' Quarterly.	*Johns Hopkins University, Circulars.
Annales Politiques et Littéraires.	Library Journal.
Athenæum.	Literary Digest.
Atlantic Monthly.	Masses.
*Bibliothèque de la Faculté des Lettres de l'Université de Paris.	†Memorial de la Librairie Française.
Bookman.	Mercure de France.
Bookman (English).	Mind and Body.
*Book News Monthly.	*Monthly Bulletin of the Carnegie Library of Pittsburgh.
Bookseller.	Münchener allgemeine Zeitung.
*Bryn Mawr Alumnae Quarterly.	Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.
Bulletin of Bibliography.	Nation.
*Bulletin of the New York Public Library.	Nation (English).
*Bulletin of the Pan-American Union.	Neue Rundschau.
Century.	New Country Life.
*Columbia University Quarterly.	New Republic.
Contemporary Review.	New Statesman.
Cumulative Book Index.	New York Times Index.
Deutsche Rundschau.	Nineteenth Century.
Dial.	North American Review.
Drama.	Notes and Queries.
Edinburgh Review.	Nuova Antologia.
English Review.	Outlook.
Fortnightly Review.	*Pennsylvania Library Notes.
Forum.	Preussische Jahrbücher.
Göttingische Gelehrte Anzeigen.	Public Affairs Information Service.
Harper's Monthly Magazine.	Bulletin.
Harvard Graduates' Magazine.	Publishers' Weekly.
L'Illustration.	Punch.
Independent.	

* Presented by the Publishers.

Quarterly Review.
 Reader's Guide to Periodical Literature.
 Review of Reviews.
 Revue Critique d'Histoire et de Littérature.
 Revue de Paris.
 Revue des Deux Mondes.
 Revue Politique et Littéraire; Revue Bleue.
 Saturday Review.
 Scientia.
 Scribner's Magazine.
 Sewanee Review.
 Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.

Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.
 Spectator.
 Der Türmer.
 *Tipyn o' Bob.
 *University of California, Publications.
 *University of Colorado, Studies.
 *University of Missouri, Studies.
 *University of Nebraska, Studies.
 *University of Nevada, Studies.
 *University of Texas, Studies.
 *University of Washington, Studies.
 Die Woche.
 World's Work.

Newspapers.

*College News, Bryn Mawr.
 *Home News, Bryn Mawr.
 London Times.

New York Evening Post.
 New York Times.
 Philadelphia Public Ledger.

Art and Archæology.

American Journal of Archæology.
 Art and Archæology.
 Art in America.
 Boletín de la Sociedad Española a Excursiones.
 British School at Athens, Annual.
 *Bulletin of the Metropolitan Museum of Art, New York.
 Burlington Magazine.
 Denkmäler der Malerei des Altertums.
 Ephemeris Archæologike.
 Jahrbuch des Kaiserlich deutschen archäologischen Instituts.
 Jahreshefte des österreichischen archäologischen Instituts in Wien.
 Journal of Hellenic Studies.

Journal international d'archéologie numismatique.
 Mittheilungen und Nachrichten des Deutschen Palästina Vereins.
 Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Athenische Abteilung.
 Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Römische Abteilung.
 *Museum of Fine Arts Bulletin, Boston.
 Notizie degli Scavi di Antichità.
 Revue Archéologique.
 Rivista d'arte.
 Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.
 All Opinions of the U. S. Supreme Court.
 *American Association for International Conciliation, Publications.
 American City.
 American Economic Review.
 *American Economist.
 American Federationist.
 American Industries.
 American Journal of International Law.
 American Journal of Sociology.
 American Labor Legislation Review.
 American Political Science Review.
 *The Americas.

Annalist.
 Annals of the American Academy of Political and Social Science.
 Bibliographie der Sozialwissenschaften.
 *Blätter für zwischenstaatliche Organisation.
 Bulletin of the International Labour Office.
 *Bulletin of the New York State Department of Labor.
 *Bulletin of the University of Wisconsin, Economics and Political Science Series.
 Charity Organization Review.
 Child Labor Bulletin.

City Plan.
 Columbia Law Review.
 Columbia Studies in History, Economics
 and Public Law.
 *Cooperative Consumer.
 Economic Journal.
 Great Britain, Quarterly List of Official
 Publications.
 Handbuch der öffentlichen Rechte.
 Harvard Law Review.
 *Institution Quarterly.
 International Socialist Review.
 Jahrbücher für Nationalökonomie und
 Statistik.
 Johns Hopkins University Studies in
 Historical and Political Science.
 Journal of Criminal Law.
 Journal of Heredity.
 Journal of Political Economy.
 Journal of the Royal Statistical Society.
 Labor Gazette.
 Municipal Research.
 National Municipal Review.
 Playground.
 Political Science Quarterly.

Proceedings of the Academy of Political
 Science.
 Proceedings of the National Conference of
 Charities and Corrections.
 Publications of the American Economic
 Association.
 Publications of the American Statistical
 Association.
 Quarterly Journal of Economics.
 Revue Bibliographique.
 *Single Tax Review.
 Social Hygiene.
 *Southern Workman.
 Survey.
 *U. S. Bureau of Labor Statistics, Bulletin.
 *University of Illinois, Studies in Social
 Sciences.
 *University of Missouri Studies, Social
 Science Series.
 *University of Pennsylvania Publications,
 Series in Political Economy and Pub-
 lic Law.
 Yale Review.
 Zeitschrift für Volkswirtschaft, Social-
 politik u. Verwaltung.

Education.

†Berichte der Dalcroze Schule.
 Education.
 Educational Review.
 Educational Times.
 Elementary School Journal.
 English Journal.
 History Teacher's Magazine.
 Journal of Experimental Pedagogy.
 *Journal of the Association of Collegiate
 Alumnae.
 Lehrproben und Lehrgänge.
 Manual Training Magazine.
 National Education Association, Publica-
 tions.
 Pädagogische Studien.

Pedagogical Seminary.
 Revue Internationale de l'Enseignement
 Supérieur.
 Revue Universitaire.
 School and Society.
 School Journal.
 School Review.
 School Science and Mathematics.
 Teachers' College Record.
 *U. S. Bureau of Education, Bulletin.
 *University of California Publications,
 Education.
 Zeitschrift für Pädagogische Psychologie.
 Zeitschrift für Schulgesundheitspflege.

History.

American Historical Association, Reports.
 American Historical Review.
 *Bulletin of the University of Wisconsin,
 History Series.
 English Historical Review.
 Historical Manuscripts Commission, Re-
 ports.
 Historische Vierteljahrschrift.
 Historische Zeitschrift.
 *Illinois State Historical Society Journal.
 Jahresberichte der Geschichtswissenschaft.

Klio, Beiträge zur alten Geschichte.
 New York Times Current History of the
 European War.
 Révolution Française.
 Revue des Études Napoléoniennes.
 †Revue des Questions Historiques.
 Revue Historique.
 Royal Historical Society, Transactions.
 Selden Society, Publications.
 *University of Pennsylvania Publications,
 Series in History.

* Presented by the Publishers.

† Suspended publication.

Philology and Literature, Classical.

†Bulletin Bibliographique et Pédagogique
du Musée Belge.
Classical Journal.
Classical Philology.
Classical Quarterly.
Classical Review.
Classical Weekly.
Commentationes Philologae Jenenses.
Dissertationes Philologicae Halenses.
Harvard Studies in Classical Philology.
Hermes.
Jahresbericht über die Fortschritte der
Klassischen Altertumswissenschaft.
Journal of Roman Studies.
†Le Musée Belge, Revue de Philologie
Classique.

Mnemosyne.
Philologische Untersuchungen.
Philologus.
Quellen und Forschungen zur lateinischen
Philologie.
†Revue de Philologie.
Revue des Études grecques.
Rheinisches Museum für Philologie.
Rivista di Filologia.
Sokrates.
Studi Italiani di Filologia Classica.
†Studi Storici per l'Antichità Classica.
Wiener Studien, Zeitschrift für klassische
Philologie.
Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
Berliner philologische Wochenschrift.
†Eranos.
Indogermanische Forschungen.
Journal of English and Germanic Philo-
logy.
Journal of Philology.
Neue Jahrbücher für das klassische Alter-
tum, Geschichte und deutsche Literatur.

Philological Society, London, Publications.
Transactions of the American Philological
Association.
Zeitschrift für die österreichischen Gym-
nasien.
†Zeitschrift für vergleichende Sprachfor-
schung.

Philology and Literature, Modern.

Acta Germanica.
Anglia.
Anglistische Forschungen.
†Annales Romantiques.
†Archiv für das Studium der neueren
Sprachen.
†Archivio Glottologico Italiano.
Arkiv for Nordisk Filologi.
Beiblatt zur Anglia: Mitteilungen über
englische Sprache und Litteratur.
Beiträge zur Geschichte der deutschen
Sprache und Literatur.
Bibliographical Society of America, Pub-
lications.
Bibliographical Society of London, Trans-
actions.
Bonner Studien zur englischen Philologie.
British Society of Franciscan Studies.
Bulletin hispanique.
Chaucer Society Publications (both
series).
Deutsche Literaturzeitung.
Deutsche Texte des Mittelalters.
Dialect Notes.

Early English Text Society, Publications
(both series).
Englische Studien.
Euphorion.
Forschungen zur Neueren Literaturge-
schichte.
German American Annals.
Germanisch-romanische Monatsschrift.
Giornale Dantesco.
Giornale Storico della Letteratura Italiana.
Goethe Jahrbuch.
Henry Bradshaw Society, Publications.
Jahrbuch der deutschen Shakespeare
Gesellschaft.
Jahrbuch des Vereins für niederdeutsche
Sprachforschung.
Jahresbericht über die Erscheinungen auf
dem Gebiete der germanischen Philo-
logie.
Kieler Studien zur englischen Philologie.
Korrespondenzblatt des Vereins für nieder-
deutsche Sprachforschung.
†Kritischer Jahresbericht über die Fort-
schritte der romanischen Philologie.

† Suspended publication.

The Library.
 Literarische Echo.
 Literarisches Centralblatt.
 Literaturblatt für germanische und romanische Philologie.
 †Le Maître phonétique.
 Malone Society, Publications.
 Materialien zur Kunde des älteren Englischen Dramas.
 Modern Language Notes.
 Modern Language Review.
 Modern Philology.
 Münchener Beiträge zur romanischen und englischen Philologie.
 Palaestra.
 Poet-lore.
 Praeger deutsche Studien.
 Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Kulturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revue Celtique.
 Revue d'Histoire Littéraire de la France.

†Revue Germanique.
 Revue Hispanique.
 Romania.
 Romanic Review.
 Romanische Forschungen.
 Schriften der Goethe Gesellschaft.
 Scottish Text Society, Publications.
 Société des Anciens Textes Français, Publications.
 Société des Textes Français Modernes, Publications.
 Studien zur englischen Philologie.
 University of North Carolina. Studies in Philology.
 Wiener Beiträge zur englischen Philologie.
 Yale Studies in English.
 Zeitschrift für den deutschen Unterricht.
 Zeitschrift für deutsche Philologie.
 Zeitschrift für deutsches Altertum und deutsche Litteratur.
 Zeitschrift für deutsche Wortforschung.
 Zeitschrift für französische Sprache und Litteratur.
 †Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.
 Babyloniaca.
 Jewish Quarterly Review.
 Proceedings of the Society of Biblical Archaeology.

†Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.
 †Zeitschrift für ägyptische Sprache und Altertumskunde.
 Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
 Année psychologique.
 Archiv für die gesammte Psychologie.
 Archiv für Geschichte der Philosophie.
 Archiv für systematische Philosophie.
 Archives de Psychologie.
 Archives of Psychology.
 Behavior Monographs.
 Berichte über den Kongress für experimentelle Psychologie.
 British Journal of Psychology.
 British Journal of Psychology: Monograph Supplements.
 †Bulletin de l'Institut Psychologique.
 Fortschritte der Psychologie.
 Hibbert Journal.
 International Journal of Ethics.
 †Journal de Psychologie.
 Journal für Psychologie und Neurologie.
 Journal of Abnormal Psychology.

Journal of Animal Behaviour.
 Journal of Educational Psychology.
 Journal of Experimental Psychology.
 Journal of Philosophy, Psychology and Scientific Methods.
 Journal of Religious Psychology.
 Logos.
 Mind.
 Monist.
 Philosophical Magazine.
 Philosophical Review.
 Proceedings of the Aristotelian Society.
 Psychological Bulletin.
 Psychological Clinic.
 Psychological Review.
 Psychological Review; Monograph Supplements.
 Psychological Review; Psychological Index.
 Psychologische Arbeiten.

† Suspended publication.

Psychologische Studien.
 Revue de Métaphysique.
 †Revue de Psychothérapie.
 Revue philosophique.
 *University of Toronto Studies, Psychology Series.

Vierteljahrschrift für wissenschaftliche Philosophie u. Soziologie.
 Zeitschrift für angewandte Psychologie.
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt., Zeitschrift für Sinnesphysiologie.

Religion.

*Alaskan Churchman.
 American Friend.
 American Journal of Theology.
 Biblical World.
 Expositor.
 Expository Times.
 Harvard Theological Review.
 †Herald of Gospel Liberty.
 ‡Indian's Friend.
 †Intercollegian.
 Journal of Biblical Literature.

Journal of Theological Studies.
 Proceedings of the Society of Biblical Archaeology.
 *Publications of the American Jewish Historical Society.
 Religious Education.
 Revue biblique.
 *Spirit of Missions.
 *Student World.
 *Woman's Missionary Friend.
 *World Outlook.

Science, Biology.

American Anthropologist.
 American Journal of Anatomy.
 American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiologie.
 Archiv für die gesammte Physiologie.
 Archiv für Entwicklungsmechanik der Organismen.
 Archiv für mikroskopische Anatomie.
 Bibliographia Physiologica.
 Biological Bulletin.
 Biologisches Centralblatt.
 Biometrika.
 Botanisches Centralblatt.
 Centralblatt für Physiologie.
 Eugenics Laboratory Memoirs.
 Genetics.
 *Illinois Biological Monographs.
 Jahrbücher für wissenschaftliche Botanik.
 Journal de Physiologie.
 Journal of Biological Chemistry.
 Journal of Experimental Medicine.
 Journal of Experimental Zoology.

Journal of Genetics.
 Journal of Morphology.
 Journal of Physiology.
 Journal of the Royal Microscopical Society.
 *Midland Naturalist.
 Mittheilungen aus der Zoologischen Station zu Neapel.
 Quarterly Journal of Microscopical Science.
 *University of California Publications, Physiology.
 *University of California Publications, Zoology.
 *University of Pennsylvania, Contributions from the Botanical Laboratories.
 *University of Pennsylvania, Contributions from the Zoological Laboratories.
 *University of Toronto Studies, Biological Series.
 *University of Toronto Studies, Physiological Series.
 Zeitschrift für wissenschaftliche Zoologie.
 Zoologischer Anzeiger.

Science, General.

American Journal of Science.
 Atti della Reale Accademia delle Scienze di Torino.
 British Association for the Advancement of Science, Reports.

*Bulletin of the University of Wisconsin, Science Series.
 Comptes Rendus des Séances de l'Académie des Sciences.
 *Elisha Mitchell Scientific Society Journal.

* Presented by the Publishers.

† Suspended publication.

‡ In Christian Association Library.

International Catalogue of Scientific Literature.

*Kansas University, Science Bulletin. Nature.

*New York State Museum Bulletin. Philosophical Transactions of the Royal Society of London.

Proceedings of the American Philosophical Society.

Proceedings of the Royal Society of London.

Science. Scientific American and Supplement. Scientific Monthly.

*Technology Review.

*U. S. National Museum, Publications.

*University of Missouri Studies, Science Series.

Science, Geology, and Geography.

Centralblatt für Mineralogie.

Economic Geology.

Geographical Journal.

Geological Magazine.

Geologisches Centralblatt.

*Georgia Geological Survey Bulletin.

*Illinois Geological Survey Bulletin.

Journal of Geography.

Journal of Geology.

Meteorologische Zeitschrift.

Mineralogical Magazine.

Mineralogische und petrographische Mittheilungen.

National Geographic Magazine.

Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.

Philadelphia Geographical Society Bulletin.

Quarterly Journal of the Geological Society.

*Resources of Tennessee.

*U. S. Monthly Weather Review.

*University of Toronto Studies, Geological Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.

American Journal of Mathematics.

Annalen der Chemie.

Annalen der Physik.

Annales de Chimie.

Annales de Physique.

Annales scientifiques de l'Ecole Normale Supérieure.

Annali di Matematica.

Astrophysical Journal.

Beiblätter zu den Annalen der Physik.

Berichte der deutschen chemischen Gesellschaft.

Bibliotheca Mathematica.

Bollettino di Bibliografia e Storia delle Scienze Matematiche.

Bulletin de la Société Chimique de France.

Bulletin de la Société Mathématique.

Bulletin des Sciences Mathématiques.

Bulletin of the American Mathematical Society.

Cambridge Tracts in Mathematics.

Chemisches Zentralblatt.

Giornale di Matematiche.

Jahrbuch über die Fortschritte der Mathematik.

Jahresbericht der deutschen Mathematiker Vereinigung.

Journal de Chimie physique.

Journal de Mathématiques.

Journal de Physique.

Journal für die reine und angewandte Mathematik.

Journal für praktische Chemie.

Journal of the London Chemical Society.

Journal of Physical Chemistry.

Kolloidzeitschrift.

Mathematische Annalen.

Messenger of Mathematics.

Monatshefte für Chemie.

Physical Review.

Physikalische Zeitschrift.

Proceedings of the London Mathematical Society.

Quarterly Journal of Mathematics.

Rendiconti del Circolo Matematico di Palermo.

Science Abstracts.

Transactions of the American Mathematical Society.

*U. S. Bureau of Standards Bulletin.

Zeitschrift für anorganische Chemie.

Zeitschrift für Elektrochemie.

Zeitschrift für Mathematik und Physik.

Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Library Company of Philadelphia*, which contains about 249,000 volumes, divided between the Locust Street Building and the Ridgway Branch. Its valuable collection of pamphlets is included in the number of volumes as given above. The Library is open from nine A. M. to six P. M., and is open to students for consultation freely during these hours. To take books from the building a deposit must be made or subscriptions will be received as follows: Twelve dollars for one year, six dollars for six months, four dollars for three months.

The *Mercantile Library*, which contains about 210,869 volumes and 22,911 pamphlets. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 80,700 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 431,500 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains 515,925 volumes and 244,328 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 66,500 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 140,000 volumes, and 300,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of Dr. Edward Henry Sehrt, Lecturer in Teutonic Philology, and a non-resident lecturer in Comparative Philology and Sanskrit.

GRADUATE COURSES.

The following graduate course is offered in each year:

Lectures on Comparative Philology and Philological Seminary.

Two hours a week throughout the year.

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Indo-European group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course which covers what during the last few years has been the field of the most active research the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Dr. Sehrt offers in 1917-18 one of the following graduate courses in Sanskrit:

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Second Year Sanskrit.

One or two hours a week throughout the year.

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology.

Advanced Sanskrit.

Two hours a week throughout the year.

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second semester the course is conducted as a seminary, with use of the native commentaries.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the College. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

GRADUATE COURSES.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a major subject for the degree of Doctor of Philosophy must offer not less than two seminaries and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminaries and one journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. The post-major courses also are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archæology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see pages 132 to 133.

No undergraduates are admitted to graduate courses.

Dr. Sanders conducts in each year the following graduate seminary:

Greek Seminary.

Three hours a week throughout the year.

In 1916-17 Greek Historians are the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1917-18 Attic Tragedy will be the subject of the seminary. The work of the seminary in textual criticism is devoted to Æschylus. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1918-19 Greek Orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek

rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

Dr. Wright conducts in each year the following graduate seminary:

Greek Seminary.

Two hours a week throughout the year.

In 1916-17 Aristophanes is the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archaeological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

In 1917-18 Plato will be the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarizing the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* is criticized in detail. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

In 1918-19 the Homeric Question will be the subject of the seminary; the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archaeologists, linguists, historians of myths, and æsthetic critics are taken up and criticized in detail.

Dr. Sanders and Dr. Wright together conduct the Greek journal club:

Greek Journal Club.

One and a half hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent articles and books on subjects connected with the Greek classics.

POST-MAJOR COURSES.

Dr. Sanders offers in 1916-17 the following post-major courses, open to graduate students:

Minor Orations of the Attic Orators. *Two hours a week during the first semester.*

Sophocles, *Oedipus Tyrannus*. *One hour a week during the first semester.*

Æschylus, *Agamemnon*. *Two hours a week during the second semester.*

Greek Prose Composition. *One hour a week during the second semester.*

Dr. Sanders offers in 1917-18 the following post-major courses, open to graduate students:

Sophocles, <i>Trachiniæ</i> and Euripides, <i>Heracles</i> .	<i>Two hours a week during the first semester.</i>
Herodotus.	<i>One hour a week during the first semester.</i>
Greek Prose Composition.	<i>One hour a week during the second semester.</i>
Bacchylides.	<i>One hour a week during the second semester.</i>
Euripides, <i>Bacchæ</i> .	<i>One hour a week during the second semester.</i>

Dr. Sanders offers in 1918-19 the following post-major courses, open to graduate students:

Æschylus, <i>Oresteia</i> .	<i>Two hours a week during the first semester.</i>
Aristophanes, <i>Acharnians</i> , <i>Knights</i> .	<i>One hour a week during the first semester.</i>
Pindar.	<i>Two hours a week during the second semester.</i>
Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> .	<i>One hour a week during the second semester.</i>

Dr. Wright offers in 1916-17 the following post-major courses, open to graduate students:

Melic Poets.	<i>Two hours a week during the first semester.</i>
Plato, <i>Republic</i> .	<i>Two hours a week during the second semester.</i>

Dr. Wright offers in 1917-18 the following post-major courses, open to graduate students:

Theocritus.	<i>Two hours a week during the first semester.</i>
Æschylus, <i>Septem</i> or Lucian.	<i>Two hours a week during the second semester.</i>

Dr. Wright offers in 1918-19 the following post-major courses, open to graduate students:

Palatine Anthology.	<i>Two hours a week during the first semester.</i>
Sophocles, <i>Ajax</i> .	<i>Two hours a week during the second semester.</i>

FREE ELECTIVE COURSES.

Minor and major courses amounting to ten hours a week are offered in Classical Art and Archæology; see pages 133 to 134.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank,* Professor of Latin, Dr. James Fulton Ferguson, Associate Professor of Ancient History and Latin, Dr. Thomas De Coursey Ruth, Lecturer in Latin, and Dr. Mary Hamilton Swindler, Instructor in Latin and Archæology and Demonstrator in Classical Archæology.

GRADUATE COURSES.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Lyric Poetry, Elegy, and Comedy, and Roman Epic Poetry, Cicero's Correspondence and Epigraphy. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminaries and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminaries and the journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

No undergraduates are admitted to graduate courses.

Dr. Wheeler conducts in each year the following graduate seminary:

Latin Seminary.

Three hours a week throughout the year.

In 1916-17 Roman Lyric in the Period of the Republic is the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1917-18 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarize themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

In 1918-19 Latin Comedy is the subject of the seminary. All the plays of Plautus

* Granted leave of absence for the year 1916-17. The courses offered by Professor Frank are given by Dr. Thomas De Coursey Ruth in 1916-17.

and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoeda*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

Dr. Frank* conducts in each year the following graduate seminary:

Latin Seminary.

Two hours a week throughout the year.

In 1916-17 the course is devoted to a study of Roman epic and is conducted by Dr. Ruth.

In 1917-18 Latin Epigraphy and Palaeography will be the work of the seminary. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

In 1918-19 Cicero's Correspondence is the subject of the seminary. An effort is made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilization of Cicero's day.

Dr. Wheeler and Dr. Frank* together conduct the Latin journal club.

Latin Journal Club.

One and a half hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent articles and books on subjects connected with the Latin classics.

POST-MAJOR COURSES.

Dr. Wheeler offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

Roman Elegy.

Two hours a week throughout the year.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read. The readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Wheeler offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

Roman Satire.

Two hours a week throughout the year.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers and reports on assigned topics in each semester.

* See footnote, page 84.

Dr. Ruth offers in 1916-17 and Dr. Frank offers in 1918-19 the following post-major courses, open to graduate students:

The Life and Works of Vergil. *Three hours a week during the first semester.*

The larger part of the *Aeneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition. *One hour a week throughout the year.*

Roman Prose of the Empire. *Three hours a week during the second semester.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius, and Minucius Felix are read.

Dr. Frank offers in 1917-18 and again in 1919-20 the following post-major courses, open to graduate students:

Lucretius and Catullus. *Three hours a week during the first semester.*

Selections from the *De Rerum Natura* and from the lyrics of Catullus are read.

Latin Prose Composition. *One hour a week throughout the year.*

Cicero and Cæsar. *Three hours a week during the second semester.*

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Dr. Frank offers in each year the following elective course, open to graduate students:

Lectures on Roman Life. *One hour a week throughout the year.*

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Carleton Fairchild Brown,* Dr. Agathe Lasch,† Dr. Regina Katharine Crandall, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Dr. Jean Baptiste Beck, Dr. Howard James Savage, Mr. Charles Dominique Vatar, Mr. Samuel Arthur King, Dr. Howard Rollin Patch, Dr. Edward Henry Sehrt, Miss Esther Cloudman Dunn, Miss Ellen Thayer, Mrs. Edith Chapin Craven, Miss Ellen Elisabeth Hill, and Miss Ruth Perkins.

* Granted leave of absence for the year 1916-17.

† Granted leave of absence for the duration of the war.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Carleton Fairchild Brown,* Professor of English Philology, Dr. Regina Katharine Crandall, Associate in English, Dr. Samuel Claggett Chew, Associate Professor of English Literature, Dr. Howard James Savage, Associate Professor of Rhetoric and Director of the Work in English Composition, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Howard Rollin Patch, Lecturer in English Philology, Miss Esther Cloudman Dunn, Mrs. Edith Chapin Craven, and Miss Ellen Elisabeth Hill, Instructors in English.

GRADUATE COURSES.

There are offered each year graduate seminars and courses in English literature and in English language, and these seminars and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature courses of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language course in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the composition in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as the associated minor and those who offer English philology as a major subject must offer English literature as the associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Brown* conducts in each year the following graduate seminary:

* Granted leave of absence for the year 1916-17. The courses offered by Professor Brown are given by Dr. Howard Rollin Patch in 1916-17.

Seminary in Middle English.

Three hours a week throughout the year.

In 1916-17 Middle English Romances are the subject of the seminary. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary. The seminary is conducted in this year by Dr. Patch.

In 1917-18 the seminary will undertake the study of *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

In 1918-19 the Beginnings of English Drama are the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles will be studied. In considering the morality plays, their connection with mediæval allegories, debates, and didactic treatises will be specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

Dr. Patch offers in 1916-17 and Dr. Brown offers in 1918-19 the following graduate courses:

Beowulf.

Two hours a week throughout the year.

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an inquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

English Historical Grammar.

Two hours a week throughout the year.

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Dr. Brown offers in 1917-18 and again in 1919-20 the following graduate course:

Cynewulf and Cædmon.

Two hours a week throughout the year.

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts or its equivalent.

Miss Donnelly conducts in alternate years the following graduate seminary:

Seminary in English Literature.

Two hours a week throughout the year.

In 1916-17 the Romantic Poets are the subject of the seminary. Special attention is paid to Shelley and Byron and to the phases of Romanticism shown in their work. Their relations to their contemporaries in England and on the Continent are discussed.

In 1918-19 Eighteenth Century Prose will be the subject of the seminary. Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

Dr. Chew conducts in each year the following graduate seminary:

Seminary in English Literature. *Three hours a week throughout the year.*

In 1917-18 the subject of the seminary will be the plays of Webster, Beaumont and Fletcher, Massinger, and Ford.

In 1918-19 the earlier Romantic Period will be the subject of the seminary. Chief attention will be devoted to the poetry of Burns, Blake, Coleridge, and Wordsworth.

In 1919-20 the seminary will study various aspects of English Literature during the reign of Victoria.

Dr. Savage offers in 1917-18 the following graduate course:

Technical and Advanced Criticism. *Two hours a week during the first semester.*

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, and other matters. Materials collected for other courses in research are available for use in this work.

Dr. Brown,* Miss Donnelly, Dr. Chew, and Dr. Savage together conduct the English journal club.

English Journal Club. *One and a half hours a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

The following advanced undergraduate courses may be attended by graduate students:

Miss Donnelly offers in 1917-18 and again in 1919-20 the following course:

English Romantic Poets. *Five hours a week during the second semester.*

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, Keats, and Landor. Their works are discussed in class in connection with questions of poetics and literary theory and reports and essays are required from students attending the course.

Dr. Patch offers in 1916-17 and Dr. Brown offers in 1918-19 the following courses:

Middle English Romances. *Five hours a week during the first semester.*

Selected romances are read by the members of the class. The lectures deal with the development of Romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle.

* See footnote, page 87.

Shakespeare.

Five hours a week during the second semester.

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work and his method in comedy, tragedy, and chronicle history. The plays usually chosen are: *Romeo and Juliet*, *Henry V*, *Othello*, *Hamlet*, and *Winter's Tale*. Some of the more general problems connected with these plays are discussed in introductory lectures.

Dr. Brown offers in 1917-18 and again in 1919-20 the following courses:

Anglo-Saxon Prose and Beowulf.

Five hours a week during the first semester.

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Holthausen's or Schücking's text) and the first two-thirds of the poem is read with the class.

Middle English Poetry, Chaucer.

Five hours a week during the second semester.

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. The complete text of the *Owl and Nightingale*, *The Vox and Wolf* and *Pearl* will be read, as well as selections from Langlands' *Vision of Piers the Plowman* and other pieces. Lectures are given on the development of the language and literature during this period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time.

Dr. Chew offers in each year the following courses:

English Critics of the Nineteenth Century.

Five hours a week during the first semester.

Carlyle, Newman, Ruskin, Arnold, and Pater and, if time allows, a few other writers are studied with regard to their theories of criticism and to their influence upon the thought of their time. A report is required from each student attending this course.

English Drama.

Five hours a week during the first semester.

This course comprises a survey of the early drama, close study of the Elizabethan and Jacobean dramatists (excluding Shakespeare), and an introduction to the later periods of the drama. A report is required from each student attending this course.

Dr. Chew offers in 1916-17 and again in 1918-19 the following course:

English Poetry, 1850-1914.

Five hours a week during the second semester.

A review of the progress of poetry during the first half of the nineteenth century is followed by a more detailed study of the poets of the later period.

Dr. Chew offers in 1917-18 and again in 1919-20 the following course:

English Literature from Dryden to Johnson.

Five hours a week during the second semester.

The chief writers studied in this course are Hobbes, Locke, Cudworth, Shaftesbury; Butler, Dryden, Pope, Prior, Gay; Steele, Addison, Defoe and Swift. A report is required from each student attending the course.

Dr. Savage offers in 1916-17 and again in 1918-19 the following course:

English Fiction in the Nineteenth Century.

Five hours a week during the second semester.

A study of the principal types of English prose fiction during the last century, the short story and the novel, with attention to their origins, development, and technique.

Dr. Savage offers in 1916-17 and again in 1918-19 the following elective course:

The Technique of the Drama.

Two hours a week throughout the year.

This course is open only to those students who can assure the instructor that they can pursue the work with profit. It deals with the theory of the drama, the building of scenarios, adaptation, and the writing of original longer and shorter plays; and with the observation of dramatic technique in plays read and seen.

Dr. Savage offers in 1917-18 and again in 1919-20 the following elective course:

Materials and Methods of Teaching Composition.

Two hours a week during the second semester.

This course is intended for graduate students and for undergraduates who expect to teach English; its aim is to present some of the problems of collegiate instruction in composition: the planning and supervision of courses, reports on departments in various colleges, and allied problems. Practice in writing is gained through reports of varying character and length.

Dr. Crandall offers in 1916-17 and again in 1918-19 the following elective course:

Intermediate Composition.

Two hours a week throughout the year.

In the main the course deals with problems connected with exposition, criticism, the essay, and kindred forms. Both longer papers and shorter papers, including some daily themes, will be written. The work is carried on through class meetings and personal interviews.

Dr. Crandall offers in 1917-18 and again in 1919-20 the following elective course:

The Short Story.

Two hours a week throughout the year.

The course deals with various forms of narrative, but the main emphasis is placed upon writing the short story. The work of representative authors, both English and French, is studied.

Dr. Crandall offers in each year the following elective course:

Argumentation, Written and Oral.

One hour a week throughout the year.

The writing of arguments, the study of the form with reference to other types of writing, and other problems connected with argumentation, formal and informal, make up the work of the course. If possible, some attention will be paid to oral composition.

Mr. King offers in each year the following course in English Diction for graduate students:

General Course in Articulation and Voice Production.

One half hour a week throughout the year.

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

Mr. King offers in 1916-17 and again in 1918-19 the following free elective course in English Diction:

General Reading of Prose Authors.

One hour a week throughout the year.

This course is open only to those students who have attended the required course in English diction or who have done equivalent work.

Mr. King offers in 1917-18 and again in 1919-20 the following free elective course in English Diction:

Reading of Shakespeare.

One hour a week throughout the year.

This course is open only to those students who have taken the required course in English diction. A special study is made of the principles of correct delivery of blank verse. The needs of those students who intend to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, Dr. Agathe Lasch,* Associate Professor of Teutonic Philology, Dr. Edward Henry Sehrt, Lecturer in Teutonic Philology, and Miss Ruth Perkins, Reader in Elementary German.

GRADUATE COURSES.

The graduate courses offered in German philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Teutonic philology as an asso-

* Granted leave of absence for the duration of the war. The seminary and courses announced by Dr. Lasch are conducted by Dr. Sehrt during her absence.

ciated minor and students who offer Teutonic philology as a major subject must offer German literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Dr. Jessen conducts in each year the following graduate seminary:

Seminary in German Literature.

Two hours a week throughout the year.

It is hoped that the students will become familiar in the seminary with the methods of scientific literary criticism and investigation.

In 1916-17 the Romanticism of early modern German literature is studied in the seminary.

In 1917-18 Goethe will be the subject of study in the seminary.

Dr. Jessen offers in 1916-17 and again in 1918-19 the following graduate courses:

German Metrics.

One hour a week during the first semester.

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics.

One hour a week during the second semester.

Lectures are given on *Deutsche Poetik* and *Stilistik*.

Dr. Jessen offers in 1917-18 and again in 1919-20 the following graduate courses:

German Literary Criticism.

One hour a week during the first semester.

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative, and French and English literary criticisms are also considered. Lessing's *Laokoon* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are specially studied. The course is open to those students only who have a reading knowledge of French and German.

The German Essay.

One hour a week during the second semester.

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Dr. Jessen offers in each year, if the time of the department permits, one of the following graduate courses:

Goethe's *Faust*.

Two hours a week throughout the year.

This course is intended to give a detailed introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Goethe's Life and Works.

Two hours a week throughout the year.

This course aims at giving an introduction into *Goethe-philologie*.

Dr. Jessen and Dr. Sehr* conduct in each year the German journal club.

German Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. Jessen offers in 1916-17 and again in 1918-19 the following post-major courses, open to graduate students:

Lectures on the History of German Literature from the Romantic School to 1850.

Two hours a week during the first semester.

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century.

Two hours a week during the second semester.

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romanticists. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

Dr. Jessen offers in 1917-18 and again in 1919-20 the following post-major courses, open to graduate students:

German Literature from 1850 to the present time.

Two hours a week during the first semester.

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, in particular of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the present time (continued).

Two hours a week during the second semester.

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Louise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig and others; the significance of Nietzsche for German life and literature; neo-romanticism and *Heimatsdichtung*.

* See footnote, page 92.

Dr. Jessen offers in each year the following post-major course, open to graduate students:

Advanced Critical Reading.

One hour a week throughout the year.

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Dr. Sehrt* offers in each year the following post-major course, open to graduate students:

Elementary Middle High German.

One hour a week throughout the year.

(Given in each year when the time of the department permits.)

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. Paul's *Mittelhochdeutsche Grammatik* (8th edition, Halle, 1911) and Hartmann von Aue's *Der arme Heinrich* are used.

Dr. Sehrt* offers in each year the following elective course, open to graduate students:

Advanced German Composition.

One hour a week throughout the year.

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch,* Associate Professor of Teutonic Philology, and Dr. Edward Henry Sehrt, Lecturer in Teutonic Philology.

Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of Teutonic philology, Gothic, and Middle High German grammar, are designed for students in their first year of graduate study in Teutonic languages, and the remaining courses for students in their second or third year.

* See footnote, page 92.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Dr. Sehrt* offers in each year the following graduate seminary:

Teutonic Seminary.

Two hours a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1916-17 the subjects of the seminary are taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it will be discussed.

In 1917-18 the seminary will be devoted to High German texts from the fourteenth to the seventeenth century. The material will be taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. If it seems advisable Old Saxon texts (*Heliand* and *Genesis*) will also be studied.

In 1918-19 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* will be studied in the first semester. The many problems that these texts offer and the various attempts to solve them will be discussed. In the second semester modern High German texts will be the subject of the seminary.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Dr. Sehrt* offers in each year the following graduate courses:

Introduction to the Study of Teutonic Philology.

One hour a week throughout the year.

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Teutonic languages and chiefly of the West Germanic branch.

Gothic.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts.

Two hours a week throughout the year.

* See footnote, page 92.

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (8th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make Teutonic philology a minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Middle Low German.

One hour a week throughout the year.

A sufficient knowledge of Old Saxon is presupposed on the part of students taking this course. The Middle Low German grammar is studied and representative Middle Low German texts are read. This course may be substituted for the course in Middle High German in accordance with the requirements of the students in any particular year.

Old Norse.

Two hours a week throughout the year.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913) and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's (3rd ed., Paderborn, 1913) or Neckel's (Heidelberg, 1914) *Edda*.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, and works on Old Norse language and literature.

Dr. Sehrt* offers in 1916-17 and again in 1918-19 the following graduate courses:

Old Saxon.

Two hours a week during the second semester.

The work presupposes on the part the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée's *Altsächsische Grammatik* (2nd ed., Halle, 1910), *Heliand* (Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

History of Modern High German.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

Dr. Sehrt* offers in 1917-18 the following graduate courses:

Old High German.

Two hours a week throughout the year.

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well

* See footnote, page 92.

as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Comparative Teutonic Grammar.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

In addition to the above courses, others in Old Frisian, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon. Dr. Sehrt offers a course in Sanskrit which is specially recommended for students of Teutonic philology.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Jean Baptiste Beck, Associate Professor of Mediæval French Literature; Dr. Eunice Morgan Schenck, Dean of the College and Associate Professor of Modern French Literature; Mr. Charles Dominique Vatar, Associate in Modern French Literature and Italian; Miss Ellen Thayer, Reader in Elementary French, and Miss Jeanne Chéron, Reader (elect) in Elementary French.

GRADUATE COURSES.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses covering the field of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centres around one main topic to be studied as a part of the history of French literature in its various relations to general literature and civilization of the period concerned. Students may enter a seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on theses assigned them at the beginning of each semester.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French

philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminars and a journal club for three years.

Dr. Beck conducts in each year the following graduate seminary:

Seminary in Mediæval French Literature.

Two hours a week throughout the year.

The work expected of graduate students in the seminary in Mediæval French Literature consists of a palæographical analysis of the original manuscripts, a cursory interpretation of the texts, a review of the opinions expressed by the respective specialists on each subject and a critical discussion of the comparative value of the work in question. These reports are intended to train graduate students in literary research. The courses in other Romance Languages (Italian and Spanish) and also those in Middle English are recommended to students in Mediæval French literature. During her first year of work in this seminary each student is required to take also the Seminary in Romance Philology, unless she has already taken a corresponding course.

In 1916-17 the Evolution of Dramatic and Epic Literature from the twelfth to the sixteenth century is studied in the seminary: the development of actual stage drama from the primæval liturgical ceremonies, these and the epic parts of Scripture in relation to the Mystères; the dramatic elements contained in mediæval lyrics, such as the Aubes, Pastourelles, Jeux-Partis and in the dialogue forms of certain types, such as the Chansons à danse; the primitive Opera comique, a combination of lyrics and epics: Aucassin et Nicolette, Robin et Marion, le Jeu de St. Nicolas, etc. The work of the second semester is devoted entirely to a systematic study of the origin and development of Old French epics in the light of Bédier's work.

In 1917-18 the subject of the seminary in Mediæval French Literature will be the Origin of French Literature from the earliest documents to the twelfth century. The literary products of this period are read and interpreted from photographic reproductions of the original manuscripts. The main emphasis is laid upon the development of mediæval literature from the previous Middle Latin literature, to show the interrelations between literature written in the various languages and dialects, both Romanic and Germanic, and the religious literature, and to illustrate the international character of literature during that period. The origin of mediæval lyric poetry is derived from the Tropes and Sequences of St. Martial de Limoges and of St. Gall, the Epic Poetry from the Lives of the Saints and the dramatic literature from the Liturgy of the Church. The absolute unity of mediæval art in the conception of the authors and artists of the Romanesque and Gothic periods will be illustrated by the mutual connections between the various literary genres and the different branches of fine arts, such as architecture, sculpture, painting, and music.

In 1918-19 Lyric Poetry during the Middle Ages will be studied synthetically. Beginning with the hymns and anthems of the Church, the formation of the various types of vernacular lyric poetry in France is investigated. The Art of the Troubadours and Trouvères is compared with the songs of the so-called Goliards (*Carmina Burana*), with those of the Sicilian poets, and of the Minnesinger, in order to establish to what extent French Poetry has influenced them, both as to form and as to thought. Other subjects discussed are: the predominant musical character of lyric poetry throughout the Middle Ages; three periods, from the artistic monopoly of the Clerics to the Nobility, then to the aristocratic Bourgeoisie and finally to the People; the Ars Nova and the influence of fourteenth century Italian poetry upon the French Chanson of the fifteenth century.

Dr. Schenck conducts in each year the following graduate seminary:

Seminary in Modern French Literature. *Two hours a week throughout the year.*

In 1917-18 the subject of the seminary will be phases of Romanticism and Realism in the 19th century as illustrated by Chateaubriand, Madame de Staël, Hugo, Gautier, Stendhal, Flaubert, Renan, and Taine. The seminary will open with a study of the origins of Romanticism in Jean Jacques Rousseau, and the relation of the early French Romanticists to Schlegel, Sismondi and others will be considered.

In 1918-19 the subject of the seminary will be Molière. The subjects studied are French Comedy before Molière; Molière's comedies, their Latin, Italian, and French sources; his style and method of composition; the nature of his "comique," his philosophy and his morality.

In 1919-20 the subject of the seminary will be Montaigne. Various problems connected with his life, his relations to Protestantism and to the political problems of his time, the question of the authorship of the *Discours sur la servitude volontaire*, the origin and sources of the essays, Montaigne and the Renaissance, and Montaigne and Plutarch are discussed. A special study is made of Montaigne's style and of the *Apologie de Raymond de Sebonde*.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Mr. Vatar conducts in alternate years the following graduate seminary:

Seminary in Modern French Literature. *Two hours a week throughout the year.*

In 1916-17 the subject of the seminary is Chateaubriand. After consideration of the early life of Chateaubriand, *Atala* and *René* are studied with regard to the influence of Rousseau and Bernardin de St. Pierre on their form and content, and with regard to their influence upon the followers of Chateaubriand.

In 1918-19 the subject of the seminary is Baudelaire. Among the topics considered are the origins of the "poésie baudelairienne"; the life and works of Baudelaire; the influence of Edgar Allan Poe and Thomas de Quincey on Baudelaire; the followers of Baudelaire in France.

Dr. Beck offers in 1916-17 and again in 1918-19 the following graduate course intended especially for teachers of French:

The Foundations of French Grammar. *One hour a week throughout the year.*

This course is intended to train teachers to be able to give a rational explanation of the various functions of parts of speech and to dispense with mechanical grammatical rules.

Dr. Beck conducts in each year the following seminary in Romance Philology:

Seminary in Romance Philology. *Three hours a week throughout the year.*

The Seminary in Romance Philology is designed to be a linguistic complement to the Seminary in Mediæval French Literature and must be taken by every member of this seminary during her first year. It is also required of all students who choose French as a minor subject in the examination for the degree of Doctor of Philosophy and recommended to students from Ancient and Modern Language departments who wish to acquire a reading knowledge of Old French and an outline of Mediæval French literature.

The first semester is devoted chiefly to historical grammar of the Romance Languages, especially of Old French, Old Provençal, Old Italian, and Old Spanish. During the second semester selections from the most typical genres are read in the order of their evolution so as to give the students an adequate idea of the origin and a summary idea of the development of Old French Literature in particular. The students are also made acquainted with mediæval palæography and other auxiliary disciplines. Experimentation with philological methods prepares the students to do research work.

Students of Old French should be provided with E. Monaci's *Facsimili di documenti per la storia delle lingue e delle letterature Romanze*, W. Foerster's *Altfranzösisches Übungsbuch* and K. Bartsch's *Chrestomathie de l'Ancien Français*, 11th edition.

Dr. Beck offers in each year the following graduate course:

Advanced Old French Philology.

Two hours a week throughout the year.

The influence of Mediæval Latin upon the formation of the Old French literary language is studied. After an introduction to Mediæval Latin philology, the linguistic value of mediæval grammars, glosses, commentaries and interlinear translations is examined.

Dr. Beck offers in 1916-17 and again in 1918-19 the following graduate course in Metrics open to students of Mediæval Literature:

The Influence of Mediæval Latin Poetry upon Romance and Teutonic Versification.

One hour a week throughout the year.

The linguistic difference between Classical and Low Latin explains the change from quantitative to qualitative prosody. The fundamental difference between the rhythmical nature of Teutonic and Romance languages explains the dissimilarity in their respective versifications. The origin of Rime and of Isosyllabism in French.

Students who take this course are supposed to be familiar with classical and mediæval literature.

Dr. DeHaan, Dr. Beck, Dr. Schenck, and Mr. Vatar together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

POST-MAJOR COURSES.

Dr. Beck offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

Rabelais and the Satire in French Literature.

Two hours a week throughout the year.

This course gives first a general survey of satiric literature in France from the earliest time to the Renaissance. The "*sirentes*" is the representative of personal, political, and

religious satire. The *fabliaux* and *contes* represent the popular social satire. Caricature and satire in mediæval art; the predecessors of Rabelais: Rustebuef, Coquillart, and Villon; Rabelais as a man, as a humanist, and as a satirical philosopher; his literary technique; his influence upon French and English writers.

Mr. Vatar offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

French Lyric Poetry of the Nineteenth Century.

Three hours a week throughout the year.

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866. Lamartine, Hugo, Sainte-Beuve, Vigny, and Musset are studied only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, Banville, Leconte de Lisle, Sully Prudhomme, Coppée, Mendès, etc. The lectures of the second semester treat lyric poetry from 1866 to the present day. A careful study is made of the Parnassian school. Throughout the course the lectures are supplemented by the critical reading of texts.

Dr. Schenck offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

The Short Story (*Nouvelle*) in the Nineteenth Century.

Two hours a week throughout the year.

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France, and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

Mr. Vatar offers in 1917-18 the following post-major course, open to graduate students:

Molière and the French Comedy.

Three hours a week throughout the year.

After a study of the comic elements in Mediæval epic and dramatic literature, the nature of Molière's "comique" is analyzed and compared with that of his predecessors. Molière's influence upon French and foreign comedy as a psychologist and as a playwright is discussed.

Italian.

The instruction in this department is given by Mr. Charles Dominique Vatar, Associate in Modern French Literature and Italian.

GRADUATE COURSES.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French Philology as an associated minor. For the

list of approved independent minors see the Regulations of the Academic Council.

The following graduate seminary will be offered in each year:

Italian Seminary.

Two hours a week throughout the year.

This seminary presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Mr. Vatar offers in each year the following undergraduate course, open to graduate students:

FIRST YEAR.

Modern Italian.

Five hours a week throughout the year.

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. In the second semester the reading of Dante's *Inferno* will be begun.

Spanish.

The instruction in this department is given by Dr. Fonger DeHaan, Professor of Spanish.

GRADUATE COURSES.

The graduate seminary in Spanish is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French Philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Dr. DeHaan offers in each year the following graduate seminary:

Seminary in Spanish.

Three hours a week throughout the year.

In 1917-18 Tirso de Molina, the plays, will be the subject of the seminary.

Dr. DeHaan offers in each year, as an alternative for the seminary, the following graduate courses:

Spanish Philology.

One hour a week throughout the year.

Old Spanish Readings.

One hour a week throughout the year.

Dr. DeHaan, Dr. Beck, Dr. Schenck, and Mr. Vatar together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

Dr. DeHaan offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Spanish.

Five hours a week throughout the year.

The object of this course is to give beginners a good knowledge of modern Spanish. The first six weeks are given to the essentials of grammar; exercises at frequent intervals during the first semester give practice in the application of the principles; the remaining time is given to reading prose texts. In the second semester exercises in composition are continued but a greater proportion of the time is given to reading; plays in prose and in verse are read and attention is paid to versification.

SECOND YEAR.

Spanish.

Five hours a week throughout the year.

The work of the first year course is extended by the reading of moderately long and fairly difficult novels by representative modern authors, and some plays in verse, preferably of the classical period. Passages of continuous English prose are translated into Spanish.

Semitic Languages and Biblical Literature.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. Mr. Albert J. Edmunds presented to the college in 1907 his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighbouring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good

working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

GRADUATE COURSES.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialize in Hebrew or Assyrian. Students who offer Hebrew or Assyriology as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least six hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

Dr. Barton offers in 1916-17 and again in 1918-19 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions. In 1916-17 the seminary was given three hours a week.

Seminary in Aramaic and Arabic.

Two hours a week throughout the year.

(Not given in 1916-17.)

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected: a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Elementary Semitic Languages.*Two hours a week throughout the year.*

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Comparative Semitic Grammar.*One hour a week throughout the year.**(Not given in 1916-17.)*

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages.

Ethiopic.*One hour a week throughout the year.**(Not given in 1916-17.)*

The grammar and *Chrestomathia* of Praetorius and Dillmann are used and in the latter part of the course selections are read from the book of Enoch.

Hebrew Literature.*One hour a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Dr. Barton offers in 1917-18 and again in 1919-20 the following graduate courses:

Semitic Seminary.*Two hours a week throughout the year.*

The work of the seminary is continued as given in 1916-17.

Seminary in New Testament Greek.*One hour a week throughout the year.*

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline.

Egyptian.*One hour a week throughout the year.*

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

Seminary in Oriental Archæology.*One hour a week throughout the year.*

The work of this course may be devoted to the archæology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archæological objects, of reports, criticisms, conferences, and occasional lectures. To meet the needs of students of ancient history, the seminary may in some years be devoted to the history of one of the countries mentioned. The work will then consist in a study of the sources of the history of the country chosen, and the proper method of using them.

Seminary in the History of Religion.*One hour a week throughout the year.*

By means of lectures, reports, and discussions the principal features of primitive religions are ascertained, and the principal civilized religions studied with special reference to origin, historical development, and religious point of view.

FREE ELECTIVE COURSES.

The courses in Biblical Literature and Oriental History are intended primarily for undergraduate students, but may be elected by graduate students also.

Dr. Barton offers in 1916-17 and again in 1918-19 the following free elective courses in Biblical literature:

New Testament Biography.

Two hours a week throughout the year.

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of the Old Testament Canon.

One hour a week throughout the year.

This course consists of a study of the Old Testament, similar in its methods and aims to the course on the New Testament Canon.

Dr. Barton offers in 1917-18 and again in 1919-20 the following free elective courses in Biblical literature:

History of Christian Doctrine.

Two hours a week throughout the year.

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

History of the New Testament Canon.

One hour a week throughout the year.

In this course the history of the composition and collection of the books of the New Testament is studied. The instruction is given in lectures, and reading is assigned in the New Testament and in modern literature concerning it.

Dr. Barton offers in each year the following course:

Oriental History.

Three hours a week throughout the year.

This course treats in broad outlines the history and civilization of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal Oriental nations, Egyptians, Babylonians, Assyrians, Phoenicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilization of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilization. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

History.

The instruction in this department is under the direction of Dr. Howard Levi Gray, Professor of History, Dr. William Roy Smith, Professor of History, Dr. James Miller Leake,

Associate in History, Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Dr. James Fulton Ferguson, Associate Professor of Latin and Ancient History.

GRADUATE COURSES.

Three distinct seminars, one in English and European history, one in American history and one in Ancient history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Gray conducts in each year the following graduate seminary:

Seminary in English and European History.

Three hours a week throughout the year.

In 1916-17 the subject of the seminary is a study of the reigns of Edward III and Richard II. The progress of the Hundred Years' War, the innovations in military science, the social changes wrought by the Black Death, the attitude of government and people toward the church, the causes of the Peasants' Revolt of 1381, the rise of a native merchant class, and the composition and power of Parliament will receive attention. Contemporary chronicles and state papers are the bases of study.

In 1917-18 the subject of the seminary will be England in the fifteenth century. The development of the art of war, the legislation of Lancastrian and Yorkist parliaments, the prosperity of towns and merchants, the influence of the Burgundian connection, and the effects of the War of the Roses will be examined.

In 1918-19 England in the sixteenth century will be the subject of the seminary. The agrarian problem and the disorder connected with it, the increase of royal power at the expense of the old nobility, the rise of a new nobility, the renunciation by the English church of papal authority with the consequent administrative and dogmatic changes, the commercial and colonial ambitions of England, and the conflict with Spain will receive attention.

Dr. William Roy Smith conducts in each year the following graduate seminary:

Seminary in American History.

Two hours a week throughout the year.

In 1916-17 the seminary deals with the Civil War and Reconstruction. Special stress is laid upon the social, economic, and political reorganization of the South, the North, and the West and also of the nation as a whole during the period from 1861 to 1877.

In 1917-18 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1918-19 the Revolution, the Confederation, and the Constitution will be the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Method and Bibliography.

Dr. Ferguson conducts in each year the following graduate seminary:

Seminary in Ancient History.

Two hours a week throughout the year.

In 1916-17 the Later Roman Empire is studied. The founding of absolutism and its effects, economic depression, serfdom, religious controversies, and the relations between church and state, are among the topics for discussion.

In 1917-18 the Hellenistic Age is the subject of the seminary. The development of the Hellenistic world is traced from the formation of permanent states down to the conquest of the east by Rome. Special emphasis is given to the intellectual awakening, the formation of Greek leagues, commercial activity, and the effect of the contact of the Greek and Roman worlds.

In 1918-19 the early Roman empire will be studied. The work of the first semester will be confined to the reign of Augustus. In the second semester special topics dealing with the political, economic, and religious problems of the first century of empire will be investigated, with considerable emphasis on inscriptional evidence.

Dr. Leake offers in each year the following graduate course:

Historical Method and Bibliography.

One hour a week throughout the year.

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. Throughout the course practical studies will be assigned to illustrate the subjects under discussion. A reading knowledge of French and German is required. This course must be elected by all students who offer the seminary in American History for the degree of Doctor of Philosophy.

Dr. Gray, Dr. William Roy Smith, Dr. Ferguson, and Dr. Leake conduct in each year the historical journal club.

Historical Journal Club.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

POST-MAJOR COURSES.

Dr. Gray offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

England under the Tudors.

Three hours a week throughout the year.

Attention will be given to the character of Tudor absolutism, parliamentary and local government, dynastic ambitions, foreign trade, the prosperity of the towns, the condition of the peasantry, the progress of the Reformation, and the complications in foreign affairs arising from religious changes. The reading and reports will be based largely upon contemporary documents.

Dr. Gray offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

England to 1485.

Three hours a week throughout the year.

The transformation of Anglo-Saxon into Norman England, the constitutional and legal innovations of the Norman and Plantagenet kings, the intellectual and social condition of England at the height of the Middle Ages, and the effects of the Hundred Years' War are subjects of study. The more important documents and secondary works are discussed and written reports are required.

Dr. William Roy Smith offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

American Constitutional History from 1783 to 1865.

Two hours a week throughout the year.

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-book used is MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

Dr. William Roy Smith offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

American Constitutional History to 1783.

Two hours a week throughout the year.

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Professor of Economics and Politics, and Dr. Charles Ghequiere Fenwick, Associate Professor of Political Science.

GRADUATE COURSES.

Two seminaries, one in economics, and one in political science, are offered each year in addition to the direction of private reading and original research. Post-major courses amounting to five hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Marion Parris Smith offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

The object of the seminary is to train students in methods of research and to give them practice in using the sources of economic history and theory.

In 1916-17 the Theories and Problems of Distribution and the agencies in modern social life that effect the distribution of wealth are studied. Special attention is paid to wage problems, profit sharing, various plans for controlling large scale production, modern land systems, etc.

In 1917-18 Economic History and Economic Theory in the United States from 1793 to 1850 will be studied with special reference to the tariff, the banking system and the nullification controversy.

In 1918-19 Currency and Banking Systems of the United States will be the subjects of the seminary.

Dr. Fenwick offers in each year the following graduate seminary:

Political Seminary.

Three hours a week throughout the year.

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1916-17 the Constitutional Law of the United States is the subject of the seminary.

In 1917-18 Municipal Government will be the subject of the seminary. In this course will be investigated such subjects as the relation of the city to the state, the newer forms of city government, problems of municipal administration, embracing the control of public utilities, municipal ownership, the city budget, public health, the police department, and other related municipal activities.

In 1918-19 Constitutional Questions involved in Modern Economic and Social Problems will be the subject of the seminary. The chief economic and social problems of the United States will be studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the proper functions of the state will be discussed.

Dr. Marion Parris Smith and Dr. Fenwick conduct in each year the economics and politics journal club.

Economics and Politics Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. Marion Parris Smith offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

American Social Problems.

Two hours a week throughout the year.

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban popu-

lation; the development of city life; the problems of country life; immigration, the race problem; recent developments in education; the care of defectives, and poor relief. Special topics are assigned to students for reports and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

Economic and Social Legislation in England and America since 1890.

Three hours a week throughout the year.

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, the unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed, as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

Dr. Fenwick offers in 1916-17 and again in 1917-18 the following post-major course, open to graduate students:

International Law.

Two hours a week throughout the year.

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the rules relating to war and neutrality at the present time, greater attention is paid to these than to the laws prevailing between nations at peace.

Dr. Fenwick offers in 1918-19 the following post-major course, open to graduate students:

Constitutional Law of the United States.

Two hours a week throughout the year.

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

Dr. Fenwick offers in each year the following free elective course, open to graduate students:

Elements of Private Law.

One hour a week throughout the year.

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of Procedure. The lectures are supplemented by a study and discussion of judicial decisions bearing on the subject.

Social Economy and Social Research.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research.

This department was opened in the autumn of 1915 and is known as the Carola Woerishoffer Graduate Department of Social Economy and Social Research in order that the name of Carola Woerishoffer may be associated in a fitting and lasting way with Bryn Mawr College which she so generously endowed. The department affords women an opportunity of obtaining advanced scientific training in philanthropy and social service to which Carola Woerishoffer devoted her life.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research, Miss Angie Lillian Kellogg, Instructor in Social Economy and Social Research, Miss Anna Christine McBride, Instructor in Economics and Statistics and Statistical Secretary to the Department of Social Economy and Social Research, and Miss Frieda Segelke Miller, Research Assistant to the Department of Social Economy and Social Research, with the co-operation of the following members of the closely allied departments of Economics and Politics, Philosophy, Psychology, and Education: Dr. Marion Parris Smith, Professor of Economics; Dr. Charles Ghequiere Fenwick, Associate Professor of Political Science; Dr. Theodore de Leo de Laguna, Professor of Philosophy; Dr. James H. Leuba, Professor of Psychology and Education; Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Educational Psychology; Dr. Matilde Castro, Associate Professor (and Professor elect) of Education; Dr. David Hilt Tennent, Professor of Biology, and Dr. Caroline Hurd Le Fevre, Associate Physician of the College. The seminaries and courses given by these instructors and enumerated below are specially adapted for students of Social Economy and Social Research.

The courses in Social Economy and Social Research are intended for graduate students who may present a diploma from some college of acknowledged standing. No undergrad-

uate students are admitted although graduate students in the department in addition to the undergraduate courses in economics and political science may elect, subject to the approval of the Director, undergraduate courses in other subjects.

Students of this department should offer for admission to their graduate work a preliminary course in economics, and more advanced courses equivalent to the Bryn Mawr College major course in economics, politics, or history, and also preliminary work in psychology or biology, or should follow such courses while taking the work of the department.

The courses are planned for one, two, and three years, on the principle that about two-thirds of the student's time shall be given to the study of theory and statistics and the remaining one-third to practical investigation and work in her chosen field. One half year may be spent in residence in a social service institution or in connection with a social welfare organization in Philadelphia, or New York, or elsewhere, during which time the practical work and special reading and research will be supervised by the Director of the Department and the head of the institution or organization.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and cooperation of the Philadelphia social agencies to secure for its students definite affiliations with organizations in the fields chosen by them and a knowledge of the extent and character of such social activities in the city. This has led in the years 1915-17 to an arrangement for co-operative work with the College Settlement, the Criminal Division of the Municipal Court, the Society for Organizing Charity, the Division of Employment of the Bureau of Compulsory Education, the Women's Trade Union League, the Social Service Departments of the University of Pennsylvania Hospital and of the Pennsylvania Hospital, the Bryn Mawr Community Center, the Massachusetts Minimum Wage Commission, the Federal Children's Bureau, the Children's Aid Society, the Juvenile Court, and the Consumers' League.

Graduates of colleges other than Bryn Mawr College with the preparation specified above who are able to study for one year only will receive diplomas certifying to the work they have taken. As the degree of Master of Arts is conferred only on graduates of Bryn Mawr College it is hoped that this diploma

will in many cases be accepted for the master's degree in the colleges and universities from which students have received their bachelor's degree. Graduates of Bryn Mawr College may receive the degree of Master of Arts in Social Economy and Social Research under the conditions prescribed for this degree.

Graduate students that have completed the above preliminary work in Economics and Political Science, or its equivalent, who are able to study for two years only will receive a diploma certifying to the work they have taken in the Graduate Department of Social Economy and Social Research.

The degree of Doctor of Philosophy in Social Economy and Social Research is open to graduates of all colleges of high standing under the conditions prescribed for this degree in Bryn Mawr College.

Candidates for the degree of Doctor of Philosophy in Social Economy and Social Research may select the associated or independent minor from the following seminaries and graduate courses and from other graduate seminaries or courses, subject to the approval of the Graduate Committee.

Three seminaries, two graduate courses, and a practicum counting as a seminary are given each year in the Carola Woerishoffer Department in addition to seminaries and courses in economics, politics, education, philosophy and psychology. Direction of investigation and research in special fields, and supervision of the practicum in social service and welfare accompanies the seminaries and courses. The seminaries and courses announced by the department are given in rotation so that different courses may be taken through three consecutive years. The selection of courses depends upon the field of social work which the student may choose. A seminary in Social Research or a seminary in Social Theory, and, unless previously taken, a post-major course in Social Statistics and Methods of Social Research are required of all students of the department.

GRADUATE COURSES.

The following graduate courses may be elected subject to the approval of the Director of the Department by students working for the first and second year diplomas as well as by candidates for the degree of Master of Arts or of Doctor of Philosophy in Social Economy and Social Research.

Dr. Kingsbury offers in each year the following graduate seminary:

Seminary in Social Research.

Three hours a week throughout the year.

In 1916-17 the subject of the seminary is Standards of Living, accompanied by field research in Industrial Home Work.

In 1917-18 the seminary will be in Industrial Relations of Women and Minors, accompanied by field research in Occupations of Minors in Philadelphia.

In 1918-19 the seminary will be selected from the following aspects of Social and Industrial Problems: (1) standards of living, including income and wages, (2) social relations, (3) industrial relations of women and minors, (4) vocational opportunities and demands, or (5) the relation of health and industry. Research including field work with conferences will be required of research fellows and scholars and will be offered to every student. A group of students may co-operate to produce a study which, it is hoped, will prove a contribution to our knowledge of the social or industrial conditions investigated.

As the chief subjects of investigation will vary from year to year, as noted above, it will be possible for students to follow the work of the seminary for three consecutive years.

Miss Kellogg offers in each year the following graduate seminary:

Seminary in Social Theory.

Two hours a week throughout the year.

In 1916-17 the subject of the seminary is Social Origins and Social Evolution, a study of the sentiments, the political and moral tendencies, and the religious and mental traits of primitive man as expressed in language, material invention, activities, and formation, dispersions, and struggles of primitive groups.

In 1917-18 the subject of the seminary will be Social Institutions, a study of domestic relations, kinship groups, marriage and the family, industrial organizations, the church, the state, schools, courts of justice, classes, and rights.

Miss McBride offers in each year the following graduate courses:

Advanced Social Statistics.

Two hours a week throughout the year.

An effort is made to study intensively the subjects of correlation and causation, or the functional relationships between series of facts. The main considerations of the course are the method of least squares, the theory of linear correlation, spurious correlation, skew correlation, partial correlation, and the theory of contingency.

The course must be preceded or accompanied by the course in Elements of Statistics or its equivalent, and a foundation in mathematics including the Calculus is desirable to facilitate ease in comprehension. It may be accompanied by the Special Laboratory Problems in Statistics to constitute a seminary.

Special Laboratory Problems in Statistics.

Seven hours a week throughout the year.

This course is offered in each year in connection with the course in Advanced Social Statistics and in connection with that course may constitute a seminary.

Miss Kellogg offers in each year the following graduate course:

Social treatment of dependents and social treatment of delinquents and defectives.

Three hours a week throughout the year.

This course involves a study of the principles, methods, and agencies employed for the prevention, relief and cure of dependency, defectiveness, and delinquency, such as family case-work, outdoor relief, and institutional care, juvenile courts, probation and parole systems, the indeterminate sentence and psychological laboratories in connection with courts. This course is planned to accompany the seminary in Social Economy including the practicum in Social Relief and Social Guardianship.

Miss Kellogg offers in 1917-18 and again in 1919-20 the following graduate course:

Legal Procedure in cases involving women and children.

Two hours a week throughout the year.

The administrative side of the law affecting women and children is presented in this course. It includes a study of the law as applied in juvenile courts, domestic relations courts, and other municipal courts.

Miss Kellogg offers in 1918-19 and again in 1920-21 the following graduate course:

Social Administration.

Two hours a week throughout the year.

The object of this course is to study the functions and departments of state boards of charities and corrections; state boards of education; organized charities; other social welfare reformatory and educational institutions; boards of managers' and superintendents' reports; and especially the making of statistical reports and budgets.

The following courses are open to graduate students by special arrangement:

Criminal Law.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this Department may pursue the course in Criminal Law offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course may accompany the course in Social Treatment of delinquents and defectives (Criminology) and the course in Legal Procedure in cases involving women and children.

Criminal Procedure.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this Department may pursue the course in Criminal Procedure offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course must be preceded by the course in Criminal Law.

Dr. Castro offers in 1917-18 and in each succeeding year the following graduate seminary:

Seminary in Essentials of Educational Theory and Practice for Social Workers.

Two hours a week during the second semester.

The subjects studied in this course are selected so as to serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Dr. Marion Parris Smith offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

In 1916-17 the theories and problems of Distribution and the agencies in modern social life that affect the distribution of wealth are studied. Special attention is paid to wage problems, profit sharing, various plans for controlling large scale production, modern land systems, etc.

In 1917-18 History of Economic Thought in England and America in the nineteenth century with special attention to the ideas of free trade and protection will be the subject of the seminary.

Dr. Fenwick offers in each year the following graduate seminary:

Political Seminary.

Three hours a week throughout the year.

In 1916-17 Constitutional Law of the United States is the subject of the seminary. The decisions of the Supreme Court of the United States form the basis of the work. Special stress is laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1917-18 Municipal Government will be the subject of the seminary. In this course will be investigated such subjects as the relation of the city to the state, the newer forms of city government, problems of municipal administration, embracing the control of public utilities, municipal ownership, the city budget, public health, the police department, and other related municipal activities.

In 1918-19 constitutional questions involved in Modern Economic and Social Problems will be the subject of the seminary. The chief economic and social problems of the United States will be studied from the point of view of the restrictions placed by the Constitution on the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the proper functions of the State will be discussed.

Dr. Leuba offers in each year the following graduate seminary:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: instinct, feeling, and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, arrested mental development, etc.); animal behaviour; psychology of the beautiful.

Dr. Leuba offers in each year the following graduate seminary:

Seminary in Social Psychology.

Two hours a week during the first semester.

In 1916-17 and again in 1918-19 the Principles of Social Psychology and their applications to problems of commerce, industry and government are the subject of the seminary.

In 1917-18 and again in 1919-20 Temperament and Character, their instinctive and emotional foundation, will be the subject of the seminary.

This seminary is open to students who have pursued an elementary course in psychology. It may be elected separately or may be combined with the seminary in Social and Political Philosophy given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

Dr. Theodore de Laguna offers in each year the following graduate seminary:

Seminary in Social and Political Philosophy.

Two hours a week during the second semester.

The topics chosen for discussion will vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education. This seminary is open to students who have pursued an elementary course in Philosophy. It may be elected separately or may be combined with the seminary in Social Psychology given in the first semester to count as a seminary in the Department of Social Economy and Social Research.

Dr. Castro offers in each year the following graduate seminary:

Seminary in Principles and Methods of Education.

Three hours a week throughout the year.

In the seminary the principles and methods of education which bear most directly on the selection and teaching of the school curriculum are considered. For members of the seminary who prove to be qualified, opportunities will be afforded for practice in teaching individual children or small groups of Model School pupils who may require special instruction. Observation of classes in the Model School and elsewhere will be part of the required work. The selection of subjects varies from year to year.

In 1917-18 Child-Study will form the central topic of the seminary. The study of the growth rhythms and mental development of the child from infancy through typical stages, of physical, mental, and moral development will be the point of departure for the consideration of special problems in educational theory and practice.

Dr. Rand offers in each year the following graduate seminary:

Seminary in Mental Tests.

Two hours a week throughout the year.

Laboratory Work.

Four hours a week throughout the year.

This course combines seminary, laboratory drill, and research features. In the seminary work the history, development, and purpose of mental tests will be treated, and a study made of the sensory and higher mental processes. The laboratory drill will consist of training in the application of tests (including the Binet-Simon series), and practice in diagnosing mental ability, using as subjects children from schools in the vicinity of Bryn Mawr and Philadelphia. The research work will consist of special problems in the devising and standardization of tests, and the formulation of methods designed to improve specific mental deficiencies. The course is open only to graduate students who have had training in experimental psychology. If taken in connection with the special laboratory problems the work of the seminary and laboratory work will occupy thirteen hours a week of the student's time. Students not taking the special problems will be credited with ten hours work.

Special Laboratory Problems in Mental Tests.

Four hours a week throughout the year.

This course is offered in each year in connection with the course in Mental Tests to students who wish to pursue advanced work.

Dr. Kingsbury and Miss Kellogg offer in each year the following graduate seminary:

Seminary in Social Economy, including the Practicum.

Two hours a week throughout the year.

This seminary combines practical work in one of the following fields with reading, reports, and discussions: (a) Social Relief and Guardianship; (b) Social Education; or (c) Industrial Organization. In connection with this seminary each student should take a corresponding course in theory: (a) Social Treatment of Dependents, Delinquents and Defectives; (b) Essentials in Educational Theory and Practise for Social Workers (c) Industrial Organization. One-third of the time of each student* in the department should be devoted to a practicum which shall come under the joint direction of a member of the department of Social Economy and the head of the social welfare institution with which the student elects to take this work. The work must be of a sufficiently practical character to give the student both the necessary training to fit her to enter her selected field at the close of the course and at the same time a general knowledge of the subject and a theoretical understanding of its problems, methods, and technique.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies to secure for its students definite affiliations with organizations in the fields chosen by them and a knowledge of the extent and character of such social activities in the city. This has led in the years 1915-16 and 1916-17 to an arrangement for co-operative work with the College Settlement under Miss Anna Davies, the Criminal Division of the Municipal Court under Dr. Louise Stevens Bryant, the Society for Organizing Charity under Miss Betsey Libbey, the Division of Employment of the Bureau of Compulsory Education under Mr. Henry J. Gideon and Mr. M. P. Townsend, the Women's Trade Union League under Miss Florence Sanville, the Social Service Department of the Hospital of the University of Pennsylvania under Miss Helen Glenn and Miss S. Sawtelle and of the Pennsylvania Hospital under Mrs. Magee, the Children's Bureau under Mr. M. Byall, the Bryn Mawr Community Centre under Miss Hilda W. Smith, the Massachusetts Minimum Wage Commission under Miss Nathalie Matthews, the Federal Children's Bureau under Miss Julia Lathrop, the Children's Aid Society under Mr. E. D. Solenberger, the Juvenile Court under Mrs. Jane Rippin, and the Consumers' League under Miss Mary McConnell.

Dr. Kingsbury, Miss Kellogg, and Miss McBride conduct in each year the social economy journal club.

Social Economy Journal Club. *Two hours once a fortnight throughout the year.*

Current books and articles are reviewed, recent reports, surveys, and investigations are criticized, and the results of important research are presented for discussion.

Dr. Le Fevre offers in 1916-17 and again in 1917-18 the following graduate course, open to students working in the department:

Social Hygiene. *One hour a week during the first semester.*

The following advanced undergraduate courses are offered to students in the department:

Dr. Kingsbury offers in each year the following post-major course, open to graduate students:

Methods and Sources of Social Research. *Two hours a week during the first semester.*

The object of the course is to acquaint the student with the sources of social statistical information and methods of securing, analyzing, interpreting, and presenting social data.

* Candidates who have had satisfactory experience in their chosen field may devote all their time to courses in theory and allied subjects.

Preparation of the various types of schedules, tabulation of information secured, and the preparation of tables are among the subjects considered. The course concludes with a critical study of the methods used in social economic investigations and of reports by federal and state departments and by private organizations. This course must be accompanied by the course in Elements of Statistics.

Miss McBride offers in each year the following free elective course, open to graduate students:

Elements of Statistics.

One hour a week throughout the year.

This course deals with the elementary principles of statistics and their application. Among the topics are the array, frequency distributions, averages, measures of variation, probability and theory of errors, theory of sampling, index numbers, logarithmic curves, graphic methods, comparisons, and the elements of linear correlation.

The course is recommended to students of social economy and of economics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

Dr. Kingsbury offers in each year the following post-major course, open to graduate students:

Organized Effort for Social Betterment.

Two hours a week during the second semester.

A brief survey of the origin, growth, and present methods of the most important social service and social welfare organizations will be presented in order to acquaint the student with the fields of activity in which social work is being carried on: (1) social education, through settlements, civic centres, or other neighbourhood organizations; (2) improvement of industrial conditions, through associations for labor legislation, labor organizations, or consumers' efforts; (3) vocational guidance, through vocational advising, through placement, or through adjustment of employment; (4) child welfare, through societies for care and protection of children; (5) family care, through organizations for the reduction and prevention of poverty; (6) social guardianship, through the probation work in the juvenile courts or corrective institutions.

Dr. Marion Parris Smith offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

Economic and Social Legislation in England and America since 1890.

Three hours a week throughout the year.

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wage, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed, as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

American Social Problems.

Two hours a week throughout the year.

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made in the changes in rural and urban population; immigration, the race problem; the development of city life; the problems of country life; recent developments in education; the care of defectives, and poor relief; problems of food distribution, retail markets. Special topics are assigned to students for reports and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in each year the following major course, open to graduate students:

History of Economic Thought.

Five hours a week during the second semester.

The object of this course is to give advanced students an historical introduction to modern economic thought as a basis for a critical study of modern economic problems. The successive changes in the theory of value and of distribution since the middle of the eighteenth century are studied with special reference, first, to the philosophical and speculative thought, and second, to the industrial institutions of the times.

The students will be expected to read critically portions of standard texts, including Adam Smith's *Wealth of Nations*; Ricardo's *Principles of Political Economy and Taxation*; Malthus's *Principles of Population*; Senior's *Political Economy*; J. S. Mill's *Principles of Political Economy*; Jevon's *Political Economy*; and selections from the writings of Marshall, Wicksteed, Boehm-Bawerk, Wieser, J. B. Clark, Pantaleoni, and others. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

Dr. Fenwick offers in each year the following major course, open to graduate students:

Present Political Problems.

Five hours a week during the first semester.

The object of this course is to present the chief political problems which have arisen in recent years. The several branches of the federal and state governments are taken up one by one and such questions are discussed as: the influence of the Executive over Congress; the conflict between treaties and legislation; the relation of the administrative departments to Congress; Committee rule in Congress; the growth of judicial power and proposals for restricting it; the courts and social legislation; the initiative, referendum, and recall; Commission government in cities, etc. The course will be preceded by a brief study of modern theories relating to the end and object of the state, with the object of ascertaining the proper sphere of the activities of the state.

Dr. Fenwick offers in each year the following free elective course, open to graduate students:

Elements of Private Law.

One hour a week throughout the year.

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of Procedure. The lectures are supplemented by a study and discussion of judicial decisions bearing on the subject.

Dr. Rand offers in each year the following major course, open to graduate students:

Applied Psychology.

Five hours a week during the second semester.

The specific applications of psychology form the subject matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of the mental equipment of children of different ages and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered. Four hours a week of laboratory work is required from students taking the course. A knowledge of psychology equivalent to that obtained in the minor course is presupposed.

Dr. Ferree and Dr. Rand offer in each year the following minor course:

Experimental Psychology.

Five hours a week during the first semester.

Laboratory Work.

Four hours a week during the first semester.

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. The laboratory work consists of individual practice in selected topics.

Dr. Theodore de Laguna offers in each year the following major course, open to graduate students:

Elementary Ethics.

Five hours a week during the second semester.

The course comprises an historical and critical introduction to ethics. Particular attention is paid to recent studies in moral evolution and their significance for the question of the objectivity of moral standards. The latter part of the course includes a simple treatment of the general theory of values with illustrations of its applications in ethics, æsthetics, and economics.

Dr. Leuba offers in each year the following major course, open to graduate students:

Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Ethics, Science, and Art.

Five hours a week during the first semester.

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a crowd, a clique, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. The social institutions, magic, religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This is an historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. Grace Mead Andrus de Laguna, Associate Professor of Philosophy, Dr. Albert Edwin Avey, Associate in Philosophy, and Miss Helen Huss Parkhurst, Reader and Demonstrator in History of Art.

GRADUATE COURSES.

A seminary in logic and metaphysics is offered each year and a seminary in ethics and one in the history of philosophy are offered in alternate years. The subjects of study are changed from year to year through a cycle of four years. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing Philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Theodore de Laguna conducts in alternate years the following graduate seminary:

Ethical Seminary.

Two hours a week throughout the year.

In 1917-18 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticized by Green, Sorley, Huxley, Pringle-Pattison, and Rashdall, will be studied. Special attention will be given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1919-20 the subject will be Recent French Ethics: Durkheim, Levy-Bruhl, Fouillée, Belot, and Paulhan.

Dr. Grace de Laguna conducts in alternate years the following graduate seminary:

Seminary in Logic and Metaphysics.

Two hours a week throughout the year.

In 1917-18 Contemporary Realism as represented by Moore, Russell, Alexander, Perry, McGilvary, and Fullerton will be the subject of the seminary.

In 1919-20 the Nature of Consciousness will be the subject of the seminary. During the first semester the psychophysical aspect is examined and during the second semester the epistemological aspect.

Dr. Theodore de Laguna conducts in alternate years the following graduate seminary:

Seminary in Logic and Metaphysics.

Two hours a week throughout the year.

In 1916-17 Inductive and Genetic logic is the subject of the seminary. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin are the basis of investigation.

In 1918-19 English Empiricism will be discussed in the seminary. Special attention will be paid to its connections with associationism, and to the development of the theory of scientific method.

Dr. Avey conducts in alternate years the following graduate seminary:

Seminary in the History of Philosophy.

Two hours a week throughout the year.

In 1916-17 the philosophy of Kant is the subject of the seminary. The principal writings of the critical period are read and a careful study is made of the final organization of Kant's system in the *Critique of Judgment*.

In 1918-19 Descartes and Spinoza will be studied with special reference to their view of the relation between idea and object.

Dr. Theodore de Laguna offers in each year the following graduate seminary:

Seminary in Social and Political Philosophy.

Two hours a week during the second semester.

The topics chosen for discussion will vary from year to year. Prominent among them will be: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education.

This seminary may be elected separately, or may be combined with the seminary in Social Psychology, given two hours a week during the first semester, as a seminary for students in the Department of Social Economy and Social Research.

Dr. Theodore de Laguna, Dr. Grace de Laguna, and Dr. Avey conduct in each year the philosophical journal club.

Philosophical Journal Club.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

The following advanced undergraduate courses may be attended by graduate students:

Dr. Theodore de Laguna offers in each year the following courses:

History of Philosophy.

Five hours a week during the first semester.

Ancient philosophy is very briefly treated. The greater part of the course is devoted to the discussion of selections from the principal writings of Bacon, Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume.

Elementary Ethics.

Five hours a week during the second semester.

The course comprises an historical and critical introduction to ethics. Particular attention will be given to recent studies in moral evolution, and their significance for the question of the objectivity of moral standards.

The latter part of the course will include a simple treatment of the general theory of values, with illustrations of its application in the fields of ethics, æsthetics, and economics.

Dr. Avey offers in each year the following course:

From Kant to Spencer.

Five hours a week during the first semester.

The course is principally occupied with the development of the post-Kantian idealism, and with the naturalistic systems of Comte, J. S. Mill, and Spencer.

Dr. Avey offers in 1917-18 the following course:

Recent Philosophical Tendencies.

Five hours a week during the second semester.

This course includes a discussion of such theories as pragmatism, idealism, neo-realism, etc. In 1916-17 this course was given by Dr. Grace de Laguna.

Miss Parkhurst offers in 1917-18 the following elective course:

Elementary Æsthetics.

Two hours a week throughout the year.

The course is designed to cover the field of general æsthetic theory. It will consist mainly of a study of the psychology of the æsthetic experience, and of the formal principles illustrated in the various arts.

Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Educational Psychology, and Dr. Albert Edwin Avey, Associate in Philosophy.

GRADUATE COURSES.

Twelve hours of graduate lectures and seminary work are offered in each year in addition to the direction of private reading and original research. Ten hours a week of advanced undergraduate courses are also open to graduate students. The laboratories of experimental psychology are open for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

Dr. Leuba offers in each year the following graduate seminars:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: instinct, feeling and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, arrested mental development, etc.); animal behaviour; psychology of the beautiful.

Seminary in Social Psychology.

Two hours a week during the first semester.

In 1916-17 and again in 1918-19 the principles of social psychology and their applications to problems of industry are the subject of the seminary.

In 1917-18 and again in 1919-20 temperament and character and their instinctive and emotional foundation will be studied. This seminary together with the seminary in social philosophy, given in the second semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Dr. Ferree offers in each year the following graduate seminary:

Seminary in Systematic Psychology.

Three hours a week throughout the year.

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points

of systematic importance. The work is grouped about the following topics; sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Laboratory Work.

The laboratory work consists of individual practice and research.

Dr. Ferree and Dr. Rand offer in each year the following seminary:

Seminary in Research Methods and Problems.

Three hours a week throughout the year.

The object of this seminary is to give training in research. In addition to the work in the laboratory supplementary reading, reports and discussions are required. In special cases the course may be elected for a greater number of hours.

Dr. Rand conducts in each year the following seminary:

Seminary in Mental Tests.

Two hours a week throughout the year.

For a description of this course and the laboratory work accompanying it see page 130.

Dr. Leuba, Dr. Ferree and Dr. Rand together conduct in each year the psychological journal club.

Psychological Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

The following advanced undergraduate courses may be attended by graduate students:

Dr. Leuba offers in each year the following courses:

Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Ethics, Science and Art.

Five hours a week during the first semester.

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a crowd, a clique, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. The social institutions, magic, religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

The Psychology of Instinct and Emotion, and Animal Behaviour.

Five hours a week during the second semester.

Although the course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

Dr. Ferree and Dr. Rand offer in each year the following course:

Experimental Psychology.

Five hours a week during the first semester.

Laboratory Work.

Four hours a week during the first semester.

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. The laboratory work consists of individual practice.

Dr. Ferree offers in each year the following course:

Advanced Experimental Psychology.

Two hours a week throughout the year.

This course consists of five hours laboratory work a week, the students being assigned problems to investigate.

Dr. Rand offers in 1916-17 and in each succeeding year the following course:

Applied Psychology.

Five hours a week during the second semester.

Laboratory Work.

Four hours a week throughout the second semester.

The specific applications of psychology form the subject matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of the mental equipment of children of different ages and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered.

Education.

This Department is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.

The instruction in Education is under the direction of Dr. Matilde Castro, Professor (elect) of Education and Director of the Phebe Anna Thorne Model School, Professor James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Associate Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Educational Psychology, and Miss Angie Lillian Kellogg, Instructor in Social Economy and Social Research.

The work of the Department of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about

one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges receive diplomas certifying to the work that they have taken in the Graduate Department of Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne Model School.

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted at ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven years' school course based on the soundest available theory and practice of teaching to be found in this country or abroad. Wherever a new method of teaching a subject is known to have succeeded it will be studied and introduced into the model school and the results on the pupils of different methods of teaching the same subjects will be tested and compared. It is believed that the opportunity thus afforded of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

GRADUATE COURSES.

In addition to two seminaries in education, and courses in the study of children and mental tests there are offered in each year observation classes in the Phebe Anna Thorne Model School and courses in systematic and experimental psychology recommended to students of education. Students electing education as their major subject for the degree of Doctor of Philosophy must elect experimental and systematic psychology as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Dr. Castro offers in each year the following graduate seminary:

Seminary in Principles and Methods of Education.

Three hours a week throughout the year.

The principles of education and the methods which bear most directly on the selection and teaching of the school curriculum are the subject of the seminary. For members of the seminary who prove to be qualified there will be opportunities for practice in teaching individual children or small groups of Model School pupils who may require special instruction. Observation of classes in the Model School and elsewhere will be a part of the required work. The subjects selected vary from year to year.

In 1917-18 Child Study will form the central topic of the seminary. The study of the growth rhythms and mental development of the child from infancy through typical stages of physical, mental, and moral development will be the point of departure for the consideration of special problems in educational theory and practice.

Dr. Castro offers in 1917-18 and in each succeeding year the following graduate seminary:

Essentials of Educational Theory and Practice for Social Workers.

Two hours a week during the second semester.

The subjects studied in this course are selected so as to serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Dr. Rand conducts in each year the following graduate seminary:

Seminary in Mental Tests.

Two hours a week throughout the year.

Laboratory Work.

Four hours a week throughout the year.

This course combines seminary, laboratory drill, and research features. In the seminary work the history, development, and purpose of mental tests will be treated, and a study made of the sensory and higher mental processes. The laboratory drill will consist of training in the application of tests (including the Binet-Simon series), and practice in diagnosing mental ability, using as subjects children from schools in the vicinity of Bryn Mawr and Philadelphia. The research work will consist of special problems in the devising and standardization of tests, and the formulation of methods designed to improve specific

mental deficiencies. The course is open only to graduate students who have had training in experimental psychology, and counts as a seminary only for those students who take in addition the course in special laboratory problems. Students who do not take the course in special problems will be credited with work amounting to ten hours a week.

Special Laboratory Problems in Mental Tests.

Four hours a week throughout the year.

This course is offered in connection with the seminary in Mental Tests to students who wish to pursue advanced work.

Dr. Castro and Dr. Rand together conduct the journal club.

Journal Club in Education.

Two hours once a fortnight throughout the year.

The advanced students meet with the instructors once a fortnight to hear or read reports on the literature of the subject.

In addition to the above courses the following courses in education and in other departments are adapted to the needs of graduate students in the department of education:

Miss Kellogg offers in 1916-17 and Dr. Castro will offer in 1917-18 the following undergraduate course, open to graduate students:

Introduction to Education.

Two hours a week throughout the year.

The course discusses modern educational problems. It considers the historical background of these problems only in so far as it is essential to understanding present-day controversial issues. The course is intended not only for students who plan to teach but also for all those who are interested in a more general way in the educational situation of today.

Dr. Ferree offers in each year the following courses:

Seminary in Systematic Psychology.

Three hours a week throughout the year.

This seminary is intended for graduate students who have already taken a course in experimental psychology and gives a systematic presentation of the literature of experimental psychology. Due consideration, however, is paid to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.) The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Experimental Psychology.

Five hours a week during the first semester.

This is an undergraduate course forming part of the minor or second year's work in psychology and all graduate students of education are required to take this course or to have taken its equivalent. It should be substituted in the first year for the course in systematic psychology by students who have not had equivalent work. Four hours a week of laboratory work are required in connection with this course.

Mr. King offers in each year the following graduate course:

English Enunciation.

One hour once a fortnight throughout the year.

Classical Archæology.

The instruction in this department is under the direction of Dr. Rhys Carpenter, Associate Professor of Classical Archæology and Dr. Mary Hamilton Swindler, Instructor in Latin and Archæology and Demonstrator in Classical Archæology.

An archæological seminary of two hours a week and a graduate course of one hour a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week, affording a complete series of instruction in the various branches of classical archæology. It is recommended that those who elect archæology as a major subject should offer Greek Sculpture, Art and Life in Hellenistic Towns, and Ancient Rome, during their first year, reserving for their second year the courses on Ancient Architecture, Ancient Painting and Vases, and the Minor Arts.

All the undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison.

GRADUATE COURSES.

A seminary in archæology and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Carpenter conducts in each year the following graduate seminary:

Archæological Seminary.

Two hours a week throughout the year.

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1916-17 Greek minor arts (coins, gems, terra-cotta) are studied.

In 1917-18 Greek architecture will be studied in the first semester, and Roman architecture in the second semester.

In 1918-19 fifth century Greek sculpture will be the subject of the seminary in the first semester, and fifth century Greek vases in the second semester.

Dr. Swindler offers in each year the following graduate courses:

Aegean Archæology with emphasis on the recent discoveries in Crete.

One hour a week during the first semester.

Ancient Painting.

One hour a week during the second semester.

The work includes a detailed survey of Cretan frescoes, painted plaques, stelæ, and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration and the mummy portraits from the Fayûm.

Dr. Carpenter and Dr. Swindler together conduct in each year the archæological journal club:

Archæological Journal Club. *One and a half hours a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

The following undergraduate courses may be attended by graduate students:

Dr. Carpenter offers in each year the following minor and major courses:

Ancient Architecture.

Three hours a week throughout the year.

An introductory outline of Egyptian, Cretan, and Mycenean building is followed by a detailed study of the principles and practice of architecture in Greece and Rome. The course ends with a brief survey of Byzantine, Renaissance, and present-day classical styles. Emphasis is laid on architectural evolution and its connection with the civilization of the times.

Greek Sculpture.

Three hours a week throughout the year.

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

Art and Life in Hellenistic Towns. *Two hours a week during the first semester.*

A reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination.

Greek and Roman Minor Arts. *Two hours a week during the second semester.*

The course treats of Greek and Roman bronze statuettes, terra-cotta figurines, coins, gems, jewelry, silver-ware, and similar objects, mainly for their artistic and cultural interest. The last six lectures deal with Cretan and Mycenean art. This course supplements that on Greek vase-painting given in the first semester.

Dr. Swindler offers in each year the following minor and major courses:

Ancient Painting and Vases.

Two hours a week during the first semester.

The course traces the development of ancient painting. It further forms an introduction to the mythology and daily life of Greece, through the study of designs on Greek vases.

Ancient Rome.

Two hours a week during the second semester.

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended both as an archaeological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

This course supplements that on Art and Life in Hellenistic Towns given in the first semester.

History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King, Professor of the History of Art, and Miss Helen Huss Parkhurst, Reader and Demonstrator in the History of Art.

GRADUATE COURSE.

A seminary in History of Art of two hours a week throughout the year is offered to graduate students who have done elementary work in history of art.

In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of the Academic Council.

Miss King conducts in each year the following graduate seminary and journal club:

Seminary in Modern Art.

Two hours a week throughout the year.

In addition to working with books and photographs the students will be required to make short day-trips to study pictures.

In 1916-17 the subject of the seminary is the Spanish Primitives.

In 1917-18 the subject will be Modern Art from the commencement of the romantic movements to the contemporary theories. Students are expected to be familiar already with the Old Masters, and to read French and German. Arrangements will be made for trips to Philadelphia and New York to study new pictures.

In 1918-19 the subject will be the Theory and Practice of Connoisseurship. The Morellian method will be examined and appraised, the value of documentary evidence discussed, and the different conditions affecting the study of different schools considered. Students will have access to a large collection of photographs and several private collections of paintings.

Journal Club in Modern Painting.

Two hours once a fortnight throughout the year.

The following undergraduate courses may be attended by graduate students:

Miss King offers each year the following minor and major courses:

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century. *Three hours a week throughout the year.*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Gothic Architecture.

Two hours a week throughout the year.

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture. The course is illustrated with photographs and lantern slides.

Renaissance Sculpture.

Two hours a week throughout the year.

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion. The course is illustrated with photographs and lantern slides.

Miss King offers in 1916-17 the following elective course open to graduate students:

Modern Painting.

Three hours a week throughout the year.

This course is open only to students who have completed the minor and major work in history of art or its equivalent. It deals with the history of painting since 1800 and comes down to the present year. Students are expected to make trips to Philadelphia and the neighbourhood to study pictures as often as may seem necessary.

Miss King offers in 1917-18 the following post-major course, open to graduate students:

Spanish Painting.

Three hours a week throughout the year.

This course is open only to students who have completed the minor and major work in history of art, or an equivalent course. The sources and development of Spanish painting will be considered from the early miniature painters down to living painters. Students will be expected to learn something about Spanish history and characters and to make short trips to see paintings on exhibition in America.

Miss Parkhurst offers in each year the following courses, open to graduate students:

Painting in the Seventeenth and Eighteenth Centuries.

Three hours a week throughout the year.

In the first semester the Dutch, German, and Flemish painters are studied, in the second semester the French, Spanish, and English.

Elementary Æsthetics.*Two hours a week throughout the year.*

The course is designed to cover the field of general æsthetic theory. It consists mainly of a study of the psychology of the æsthetic experience and of the formal principles illustrated in the various arts.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. Olive Clio Hazlett, Associate in Mathematics.

GRADUATE COURSES.

The graduate courses consist of lectures and seminary work supplemented by private reading under the direction of the instructors, the courses being arranged each year with reference to the wishes and degree of preparation of the students concerned. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Scott offers in 1916-17 the following graduate course:

Differential Geometry of Curves and Surfaces.

Two hours a week throughout the year.

In this course the lectures to some extent follow the arrangement of Eisenhart's treatise but with constant reference to other presentations of standard investigations, the corresponding important work of Darboux is specially emphasised and it is expected that during the second semester the memoirs of Gauss will be read. The whole subject is of much importance in present day mathematics.

Dr. Scott offers in 1917-18 the following graduate course:

General Course in Higher Plane Curves.

Two hours a week throughout the year.

During the first semester the lectures will deal with general properties of plane algebraic curves, chiefly from the analytical standpoint, but partly from the topological. The second semester will probably be devoted to the topology of plane algebraic curves.

Dr. Scott offers in 1918-19 the following graduate course:

Geometry on a Curve and Linear Systems of Curves.

Two hours a week throughout the year.

The intention is to follow the Italian treatment of the subject rather than the German; but the course will be arranged so that the most important part of the Clebsch-Lindemann exposition may profitably be read in connection with the lectures.

Dr. Hazlett offers in 1916-17 the following graduate course:

Formal Algebra.

Two hours a week throughout the year.

The course deals with the formal properties of algebra, and develops the theory of determinants, matrices, polynomials, invariants, elementary divisors, etc.

Dr. Hazlett offers in 1917-18 the following graduate course:

Theory of Algebraic Numbers.

Two hours a week throughout the year.

A short account of rational integers is given; afterwards the subject of integers in a general algebraic realm is taken up, special attention being given to quadratic realms.

Dr. Hazlett offers in 1918-19 the following graduate course:

Differential Equations.

Two hours a week throughout the year.

It is intended that the course deal with the more important phases of the modern theories of analytic differential equations.

Dr. Scott and Dr. Hazlett together conduct the journal club.

Mathematical Journal Club.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and advanced work. They deal, therefore, with the subjects of the major courses carried to higher developments and treated by higher methods. As the order of mathematical studies differs in different colleges, graduate students frequently find it advisable to devote a part of their time to these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four hours a week. The courses given are the following with occasional modifications:

I. (a.) Lectures Introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or, I. (b.) Lectures on Modern Pure Geometry.

or, I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, Certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take this course before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or, II. (b.) Lectures Preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or, II. (c.) Lectures on Differential Equations, ordinary and partial.

or, II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

or, II. (e.) Elementary Theory of Numbers.

In 1916-17 the following post-major courses are offered:

I. (b.) Dr. Scott.

Two hours a week throughout the year.

II. (d.) Dr. Hazlett.

Two hours a week throughout the year.

In 1917-18 the following post-major courses will be offered:

I. (b.) Dr. Scott.

Two hours a week throughout the year.

II. (c.) Dr. Hazlett.

Two hours a week throughout the year.

FREE ELECTIVE COURSES.

Dr. Scott offers in 1916-17 and again in 1918-19 the following free elective course, open to graduate students:

Fundamental Theorems of Algebra and Geometry.

One hour a week throughout the year.

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirement for matriculation is presupposed. It is hoped that the work will prove useful to those intending to teach elementary mathematics.

Dr. Scott offers in 1917-18 and again in 1919-20 the following free elective course, open to graduate students:

Graphic Mathematics.

One hour a week throughout the year.

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirement for matriculation is presupposed.

Dr. Hazlett offers in each year one of the following free elective courses, open to graduate students:

Descriptive Astronomy.

Two hours a week throughout the year.

The subject will be treated from an elementary point of view. Such mathematics as seems desirable will be developed in the lectures.

Mathematics Preparatory to Science. *Two hours a week throughout the year.*

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. James Barnes, Dr. Thomas Clachar Brown, Dr. Roger Frederick Brunel, Dr. James Llewellyn Crenshaw, Dr. Edward Carroll Day, Miss Mary Edith Pinney, Miss Edith Hamilton-Lanman, and Miss Sue Avis Blake.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones for advanced and special work, a special room for physical chemistry, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purpose of instruction and research, and is increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

The geological department is equipped with large collections of minerals, rocks, and fossils, a carefully selected library, and laboratories furnished with maps, models, charts, lantern slides, petrologic microscopes, goniometers, and other apparatus necessary for work in undergraduate and graduate courses.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

The physical laboratories are carefully furnished with the apparatus necessary for thorough work.

Graduate work in the natural sciences is highly specialized,

and consists of laboratory work, private reading, and special investigations pursued by the student under the guidance of the instructors.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Associate Professor of Physics, and Miss Sue Avis Blake, Demonstrator in Physics.

GRADUATE COURSES.

The graduate courses consist of lectures, laboratory work, and original research under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Huff offers in 1916-17 the following graduate course:

Mathematical Theory of Electricity and Magnetism.

Three hours a week throughout the year.

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

Dr. Huff offers in 1918-19 the following graduate courses:

Radioactivity and Discharge of Electricity through Gases.

Three hours a week during the first semester.

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radioactivity a brief account of theories is given.

Electron Theory.

Three hours a week during the second semester.

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

Dr. Barnes offers in 1917-18 the following graduate course:

Thermo-dynamics and Radiation.

Three hours a week throughout the year.

The modern developments of thermo-dynamics and radiation including X-rays and photo-electricity are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Dr. Barnes offers in 1919-20 the following graduate course:

Physical Optics.

Three hours a week throughout the year.

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

In each year Dr. Huff and Dr. Barnes together conduct the journal club, and the laboratory work.

Physical Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory work.

The laboratory work is arranged for the purpose of familiarizing the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

FREE ELECTIVE COURSES.

Dr. Huff offers in 1916-17 and again in 1917-18 the following free elective course, open to graduate students:

Physical Basis of Music.

One hour a week throughout the year.

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading will be assigned.

Dr. Huff offers in 1918-19 the following free elective course, open to graduate students:

Historical Development of Physics.

One hour a week throughout the year.

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have taken a minor course in science or its equivalent.

POST-MAJOR COURSES.

Dr. Huff offers in 1917-18 the following post-major course, open to graduate students:

Electricity and Magnetism.

Three hours a week throughout the year.

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Dr. Huff offers in 1919-20 the following post-major courses, open to graduate students:

Properties of Matter.

Three hours a week during the first semester.

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound.

Three hours a week during the second semester.

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Dr. Barnes offers in 1916-17 the following post-major course, open to graduate students:

General Optics.

Three hours a week throughout the year.

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Dr. Barnes offers in 1918-19 the following post-major courses, open to graduate students:

Spectroscopy.

Three hours a week during the first semester.

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Astrophysics.

Three hours a week during the second semester.

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Selected chapters in Moulton's *Celestial Mechanics* and many papers from the *Astrophysical Journal* will be read and discussed.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Associate Professor of Chemistry, Dr. James Llewellyn Crenshaw, Associate in Physical Chemistry, and Miss Edith Hamilton Lanman, Demonstrator in Chemistry.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialize either in organic chemistry under the direction of Dr. Brunel, or in physical or inorganic chemistry under the direction of Dr. Crenshaw, but students who elect organic chemistry as the major subject of examination must take physical chemistry as the associated minor, and students who elect physical chemistry as the major subject, must take organic chemistry as the associated minor.

No undergraduates are admitted to graduate courses.

Dr. Brunel conducts in each year the following graduate seminary:

Chemical Seminary, Organic Chemistry. *One hour a week throughout the year.*

This seminary is intended primarily for students who are carrying on research in organic chemistry, and consists of reports on assigned topics which are usually related to the research in which the student is engaged.

Dr. Crenshaw conducts in each year the following graduate seminary:

Chemical Seminary, Inorganic Chemistry.

One hour a week throughout the year.

The course consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Dr. Brunel offers in each year the following graduate course:

Advanced Organic Chemistry.

One hour a week throughout the year.

Lectures, reading, and occasional reports cover the historical developments and present status of subjects of current interest. In the year 1917-18 the topics taken up will be the Carbohydrates and the Alkaloids.

Students counting this course as the equivalent of a seminary will be required to do enough laboratory work, to make the work of the course occupy fourteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem to investigate.

Dr. Crenshaw offers in each year the following graduate course:

Physical Chemistry.

Two hours a week throughout the year.

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest. Students counting this course as the equivalent of a seminary will be required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The laboratory work will consist of physico-chemical research.

Dr. Brunel and Dr. Crenshaw together conduct the journal club.

Chemical Journal Club.

One hour a week throughout the year.

The advanced students, with the instructors, meet to hear reports and discussions on recent scientific articles.

POST-MAJOR COURSES.

Dr. Brunel offers in each year the following post-major course, open to graduate students:

Organic Chemistry.

Two hours a week throughout the year.

The course consists of lectures, assigned reading with occasional reports, and laboratory. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week will be required, three hours' credit being given for the course. The laboratory work will consist of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

Dr. Crenshaw offers in each year the following post-major courses, open to graduate students:

Physical Chemistry.

Two hours a week throughout the year.

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subject. The lectures are intended to give a general outline of the subject, the following topics being discussed: fundamental theories of chemistry; the periodic classification; the corpuscular theory of matter; the laws of gases, liquids and solids; osmotic pressure and dilute solutions; colloidal solutions; thermochemistry; homogeneous and heterogeneous equilibria; chemical kinetics; electrochemistry; actinochemistry, and radiochemistry. The solution of a large number of problems will be required.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

Inorganic Chemistry.

One hour a week throughout the year.

Selected topics in inorganic chemistry are discussed in detail and parallel reading is required. In the laboratory work of four and a half hours a week advanced quantitative analyses are included.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology and Dr. Thomas Clachar Brown, Associate Professor of Geology.

The instruction offered in geology includes, in addition to the minor and major courses, three free elective courses of one

hour a week, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminars of three hours a week.

Post-major courses in petrography, mineralogy, and paleontology are offered in each year, and are designed to train the student in exact methods for the determination of rock and mineral species and in the principles of invertebrate and vertebrate paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

GRADUATE COURSES.

The graduate courses in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and are intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate course in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate courses in stratigraphic geology and paleontology are designed primarily for graduate students wishing to make organic geology a major subject for the degree of Doctor of Philosophy; they may also be taken by graduate students in biology who wish to make paleontology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology and paleontology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialize either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and paleontology, under the direction of Dr. T. C. Brown, but students who make inorganic geology the major subject of examination must take either organic geology, inorganic chemistry, or crystallography as the associated minor and students who elect organic geology as the major subject, must take either

inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

Dr. Bascom conducts in each year the following graduate seminary:

Petrology and Crystallography.

Three hours a week throughout the year.

This seminary will be conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology will be dependent upon the needs of the individual students. In crystallography direction will be given in crystal measurement with the two-circle goniometer, in crystal projection, and crystal drawing. The seminary will involve as much laboratory work as the time of the student permits.

Dr. Thomas Clachar Brown conducts in each year the following graduate seminary:

Seminary in Stratigraphic Geology and Paleontology.

Three hours a week throughout the year.

The nature of the work in this seminary will be determined by the needs of the students. The work will consist of consultations, required readings, formal reports, and laboratory work. Students specializing in stratigraphic geology will devote their attention to the principles of stratigraphy and the stratigraphic succession in North America. For those who specialize in paleontology the work will consist of a detailed study of the modern methods of paleontologic research and of the succession of fossil faunas.

Dr. Bascom and Dr. Brown together conduct the journal club.

Geological Journal Club.

One hour a week throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

POST-MAJOR COURSES.

Dr. Bascom offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

Determinative Mineralogy.

Two hours a week throughout the year.

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis will be placed on crystal form and practice will be given in the use of the two-circle contact goniometer.

Dr. Bascom offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

Petrography.

Three hours a week throughout the year.

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the textures, constitution, origin, geographic

distribution, and geologic associations of igneous rocks are treated; practice is given in the quantitative system of classification. Special field problems may be given to the students for independent solution.

Dr. Thomas Clachar Brown offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

Invertebrate Paleontology.

Three hours a week throughout the year.

The course presupposes a knowledge of historical geology. During the first semester a systematic study is made of the various classes of invertebrate animals which are found in a fossil state. Special attention is given to the relations of these classes to each other, and any bearing that this may have on the theory of evolution is pointed out. Those classes which are of practical value to the stratigraphic geologist in determining the geologic age of formations are dwelt upon at considerable length. Excursions are made to neighboring fossiliferous localities to collect fossils and to observe their occurrence in the rocks. The student has access, not only to the representative paleontological collection of Bryn Mawr College, but also to the large collections of the several academies and institutions in Philadelphia.

The work of the second semester is designed to make the students familiar with methods of applying a knowledge of invertebrate paleontology to the problems of geology. It treats in detail each of the successive faunas or assemblages of animal life which have developed since the opening of the Cambrian period. An attempt is made to show that each fauna was a direct response to the environment which surrounded it, and the probable geologic, physiographic, and climatic factors of this environment are discussed.

This course may be counted as a seminary if supplemented by assigned reading and laboratory work.

Dr. Thomas Clachar Brown offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

Vertebrate Paleontology.

Two hours a week throughout the year.

A systematic study is made of the vertebrate remains which have been found as fossils. Since the vertebrate organisms represent the highest phase of development to which the animal kingdom has attained, a study of their past history is of prime importance in elucidating some of the most fundamental principles in the evolution of life. This course will be given if elected by a sufficient number of students. It may be counted as a seminary if supplemented by assigned reading and laboratory work.

FREE ELECTIVE COURSES.

Dr. Bascom offers in 1916-17 and again in 1918-19 the following free elective course, open to graduate students:

Cosmogony.

One hour a week throughout the year.

The work of the course will be conducted by means of lectures, required reading, and class-room discussion. The lectures will treat of the origin of the earth, the growth of the continents and the development of landscape, and will be illustrated by lantern slides. Reading will be assigned to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geologic research. It will be given only if elected by a sufficient number of students.

Dr. Thomas Clachar Brown offers in 1917-18 and again in 1919-20 the following free elective course, open to graduate students:

Evolution of the Vertebrates.

One hour a week throughout the year.

This course consists of lectures illustrated by charts, diagrams, lantern slides, and photographs. It gives a comprehensive outline of the evolution of the vertebrates from the earliest appearance of representatives of this group to the present time. The vertebrate phylum not only contains the highest types of animal life but is the only phylum which has gone through the whole of its evolution since the beginning of geological history as recorded in the fossil-bearing rocks. The course will consider first those primitive types which perhaps represent ancestral vertebrate forms and then will consider in the order of their appearance the five great classes of Fishes, Batrachians, Reptiles, Birds, and Mammals. The rise and development of the mammals will be followed in considerable detail, and an attempt will be made to show the relation between the types which were developed and their environment, including the geographic, physiographic, and climatic factors as well as the surrounding animal and plant life.

Dr. Thomas Clachar Brown offers in 1916-17 and again in 1918-19 the following free elective course, open to graduate students:

Meteorology.

One hour a week throughout the year.

This course will consist of a series of lectures, supplemented by required reading, on the general field of meteorology and the phenomena with which this science deals. The discussions will deal with the atmosphere, atmospheric temperatures and pressures; winds, dew, frost, clouds, rain, and snow; cyclonic storms, local storms, causes and distribution of rainfall; weather maps and weather predictions.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Edward Carroll Day, Lecturer in Physiology, and Miss Mary Edith Pinney, Demonstrator in Biology.

GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialize either in morphology under the guidance of Dr. Tennent, or in biochemistry or physiology under the guidance of the professor of physiology. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Tennent offers in each year the following graduate seminary:

Seminary in Zoology.

Three hours a week throughout the year.

In 1916-17 Genetics is the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

In 1917-18 Cytology will be the subject of the seminary. The work will deal with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms.

Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

In 1918-19 Embryology of Invertebrates will be the subject of the seminary. The work includes a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

Dr. Day offers in each year the following graduate seminary:

Seminary in Physiology and Biochemistry.

Two hours a week throughout the year.

In 1916-17 Problems in the Chemistry of the Enzymes are treated. The work consists of reports by the students, and discussion of recent problems in the subject.

In 1917-18 Internal Secretions will be the subject of the seminary.

In 1918-19 selected problems dealing with the gastro-intestinal tract will be considered. The order of subjects may be varied to meet the needs of the students.

Dr. Tennent and Dr. Day together conduct the journal club and the laboratory work.

Biological Journal Club.

One hour a week throughout the year.

The advanced students and the instructors meet for the discussion of topics of current biological literature.

Laboratory Work.

There is no regular course of laboratory instruction for graduates. Each student must devote a considerable portion of her time to such work and will be given a problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

POST-MAJOR COURSES.

Dr. Tennent offers in 1916-17 and again in 1918-19 the following post-major course, open to graduate students:

Embryology of Vertebrates.

One hour a week throughout the year.

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick, and Pig. At least four hours of laboratory work are required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Dr. Tennent offers in 1917-18 and again in 1919-20 the following post-major courses, open to graduate students:

Protoplasm, the Cell, and Cytological Technique.

One hour a week during the first semester.

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation, and fertilization. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory work as a two-hour course.

Experimental Morphology.

One hour a week during the second semester.

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. The topics discussed are: regeneration in Protozoa and Metazoa, behaviour of lower organisms, experiments on the fertilized and unfertilized egg. Mendel's experiments in hybridization, and De Vries *Oenothera* mutants. This course is to be taken with four hours laboratory work as a two-hour course.

Dr. Day offers in 1916-17 the following post-major courses, open to graduate students:

Physiology of the Central Nervous System.

Three hours a week throughout the year.

This course consists of lectures, assigned reading, and laboratory work. The lectures and reading deal with the functions of the nervous system from the comparative standpoint. A specific problem is taken up and studied by physiological and neurological methods. Four hours of laboratory a week are required.

Physiology of the Sense Organs.

One hour a week throughout the year.

A comparative course on the sense organs of invertebrates and vertebrates. Laboratory work and required reading amount to one and a half hours a week.

In 1917-18 and in 1918-19 one or more of the following post-major courses, open to graduate students will be offered, by an instructor whose appointment will be announced later:

Biochemistry.

Three hours a week throughout the year.

This course consists of lectures, assigned reading and laboratory work. At least four hours a week of laboratory work are required. The laboratory work includes a study of the properties and reactions of proteins; fats and carbohydrates; of the methods of preparation and modes of action of enzymes, of the physical and chemical properties of milk, blood, and urine; and the properties of the colloids. A preliminary training in chemistry at least equivalent to that obtained in the minor course is required.

Recent Advances in Biochemistry.

One hour a week throughout the year.

This course consists of lectures and reports on assigned reading dealing with the biochemistry of enzymes, secretion, fertilization, and development. The laboratory work and required reading together amount to one and a half hours a week.

Comparative Physiology of the Central Nervous System.

One hour a week throughout the year.

The function of the nervous system in invertebrates with reference to instincts and tropisms.

In addition to the lectures demonstration experiments are given, and from time to time the students are asked to report on recent articles. The laboratory work and reading together amount to one and a half hours a week.

Dr. Tennent and Dr. Moore conduct laboratory work in connection with the above courses:

Laboratory Work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in its adaptation to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

FREE ELECTIVE COURSE.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This is an historical course dealing with the development of the theories of biology. Special attention is given to theories of evolution and heredity. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level, in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis courts, and three large athletic fields.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630, and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four

feet long and contains a three-story stack with accommodation for eighty-eight thousand volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms; on the north side are the Art and Archæological seminaries, containing collections of photographs, vases, and coins. The main building contains offices for the librarians and cataloguers, a professor's office, a new book room, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain eleven seminary rooms and twenty-eight professors' offices. The books needed for graduate study and research are kept in the seminary rooms where the graduate lectures are held. The seminaries are arranged as follows: Greek, Latin, English, German, French, Italian and Spanish, Semitic Languages and Philosophy in the north wing; Mathematics, History, Economics, and Psychology, in the south wing. The total book capacity of the library including the seminary libraries and the books for general study which are kept in the stack, is 168,499 volumes. The building is absolutely fire-proof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, four interview rooms, and a library for the use of the Christian Association.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains an interview room, two professors' offices, a room for the Monograph Committee of the Faculty and the Alumnae Association, and fire-proof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 a. m.

till 10 p. m. and on Sundays from 2 p. m. till 10 p. m. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the Trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the *alumnæ* and students.

Around Taylor Hall the Trustees have erected halls of residence for the accommodation of students. Plans, drawings, and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in a separate pamphlet to be obtained from the Secretary of the College.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the *alumnæ* and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 a. m. till 10 p. m., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director, and an adjoining room for the examination and record of the physical development of the students, a waiting room, and cloak rooms. In the basement are bathrooms for use after exercise and a swimming-tank, sixty-nine feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the *alumnæ*, students, and friends of the college, and well supplied with apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

On the grounds, separated from other buildings, is the Class of 1905 infirmary opened in October, 1913, with accommodation

for patients and nurses, and its own diet kitchens and bath-rooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

The Phebe Anna Thorne Model School is situated on the campus and has its own out-of-door class rooms and athletic ground.

A central power-house, which was erected in 1903 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the piping system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees during all the twenty-four hours of the day, in all the bath-rooms and stationary washstands and tea pantries.

The Bell Telephone Company, a branch of the American Telephone and Telegraph Company, maintains telephone pay stations in each of the halls of residence, in the library, and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A. M. to 12 P. M.), an Adams Express office, a United States money-order office and two banks.

Horses for riding and driving may be kept at livery near the college at a cost of twenty-five dollars a month.

LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF
DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

BARTLETT, HELEN. The Metrical Division of the Paris Psalter. 49+[1]
p., O. Baltimore, The Friedenwald Company. 1896.

BLISS, ELEANORA F., AND JONAS, ANNA I. Relation of the Wissahickon
Mica-Gneiss to the Shenandoah Limestone and to the Octoraro Mica-
Schist of the Doe Run-Avondale District, Coatesville, Quadrangle,
Pennsylvania. 64 p., O. February, 1914.

BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-
two Species of the Membracidae, Jassidae, Cercopidae and Fulgoridae.
p. 470-512, O. 9 pl. Baltimore. 1907.
Reprint from *Journal of Experimental Zoology*, vol. 4, No. 4.

BOURLAND, CAROLINE BROWN. Boccaccio and the Decameron in Castil-
ian and Catalan Literature. 233 p., O. 5 pl. New York, Paris,
Mâcon, Protat Frères. 1905.
Reprint from *Revue Hispanique*, t. xii.

BOWERMAN, HELEN COX. Roman Sacrificial Altars. An Archæological
Study of Monuments in Rome. 101 p., O. 11 pl. Lancaster, Pa.,
The New Era Printing Co. 1913.

BREED, MARY BIDWELL. The Polybasic Acids of Mesitylene. 31+[1]
p., O. Baltimore, The Friedenwald Company. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 1.

BUNTING, MARTHA. The Origin of the Sex Cells in Hydractinia and
Podocoryne and the Development of Hydractinia. 34 p., O. Boston,
Ginn and Company. 1894.
Revised reprint from *Journal of Morphology*, vol. 9, No. 2.

BYRNES, ESTHER FUSSELL. The Maturation and Fertilization of the
Egg of *Limax Agrestis* (Linné). p. 201-236+[1], O. Boston,
Ginn and Company. The Athenæum Press. 1899.
Reprint from *Journal of Morphology*, vol. 16, No. 1.

CLAFLIN, EDITH FRANCES. The Syntax of the Boeotian Dialect Inscrip-
tions. 93 p., O. Baltimore, The Friedenwald Company. The
Lord Baltimore Press. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 3.

COULTER, CORNELIA CATLIN. *Retractatio in the Ambrosian and Palatine Recensions of Plautus. A Study of the Persa, Poenulus, Pseudolus, Stichus, and Trinummus.* 118 p., O. Bryn Mawr, Pennsylvania. 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. x.

CUMMINGS, LOUISE DUFFIELD. *On a Method of Comparison for Triple-Systems*, p. 311-327, Q.

Reprint from *Transactions of the American Mathematical Society*, vol. 15, No. 3. July, 1914.

DUCKETT, ELEANOR SHIPLEY. *Studies in Ennius.* 78 p., O. Bryn Mawr, Pennsylvania. 1915.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xviii.

DUDLEY, LOUISE. *The Egyptian Elements in the Legend of the Body and Soul.* 179+[xi] p., O. Baltimore, printed by J. H. Furst Co. 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. viii.

ELLIS, ELLEN DEBORAH. *Introduction to the History of Sugar as a Commodity.* 117 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. iv.

EMERY,* ANNIE CROSBY. *The Historical Present in Early Latin.* 120+[3] p., O. Ellsworth, Maine, Hancock Publishing Company. 1897.

EVERS, HELEN MARGARET. *Critical Edition of the Discours de la Vie de Pierre de Ronsard, par Claude Binet.* iv+190 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ii.

FAHNESTOCK, EDITH. *A Study of the Sources and Composition of the Old French Lai D'Haveloc.* 138 p., O. The Marion Press, Jamaica, Queensborough, New York. 1915.

FOSTER, FRANCES ALLEN. *A Study of the Middle-English Poem Known as The Northern Passion.* vi+101 p., O. Richard Clay & Sons, Ltd., London and Bungay. 1914.

Reprint from *The Northern Passion*, vol. II. *Early English Text Society, Original Series*, 147, 1914 (for 1913).

FRANKLIN, SUSAN BRALEY. *Traces of Epic Influence in the Tragedies of Æschylus.* 81 p., O. Baltimore, The Friedenwald Company. 1895.

GENTRY, RUTH. *On the Forms of Plane Quartic Curves.* [7]+73 p., O. 13 pl. New York, Robert Drummond. 1896.

* Mrs. Francis Greenleaf Allinson.

- GIBBONS, VERNETTE LOIS. The Potentials of Silver in Non-aqueous Solutions of Silver Nitrate. 32 p., O. Easton, Pa., Eschenbach Printing Co. 1914.
- GRAHAM, MINNIE ALMIRA. A Study of the Change from Violet to Green in Solutions of Chromium Sulphate. 50 p., O. pl. 3. Easton, Pennsylvania, Eschenbach Printing Company. 1912.
- HALL, EDITH HAYWARD.* The Decorative Art of Crete in the Bronze Age. 47 p., 3 pl., Q. Philadelphia, The John C. Winston Co. 1907.
Reprint in part from *Transactions of the Department of Archaeology of the University of Pennsylvania*, vol. 2, part 1. 1906.
- HARMON, ESTHER. Johanna Schopenhauer. 115 p., O. Munich, Kastner and Callwey. 1914.
- HARPER, CARRIE ANNE. The Sources of the British Chronicle History in Spenser's Faerie Queene. 190 p., O. Philadelphia, The John C. Winston Co. 1910.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vii.
- HUSSEY, MARY INDA. Some Sumerian-Babylonian Hymns of the Berlin Collection. p. 142-176, O.
Reprint from *American Journal of Semitic Languages*, vol. 23, No. 2. January, 1907.
- JONAS, ANNA I., AND BLISS, ELEANORA F. Relation of the Wissahickon Mica-Gneiss to the Shenandoah Limestone and to the Octoraro Mica-Schist of the Doe Run-Avondale District, Coatesville, Quadrangle. Pennsylvania. 64 p., O. February, 1914.
- KING, HELEN DEAN. The Maturation and Fertilization of the Egg of *Bufo Lentiginosus*. p. 293-350, O. Boston, Ginn and Company. The Athenæum Press. 1901.
Reprint from *Journal of Morphology*, vol. 17, No. 2.
- LAIRD, ELIZABETH REBECCA. The Absorption Spectrum of Chlorine. p. 85-115, O.
Reprint from *Astrophysical Journal*, vol. 14, No. 2. September, 1901.
- LEFTWICH,† FLORENCE. *La Vie Seint Edmund le Rei*. An Anglo-Norman Poem of the Twelfth Century by Denis Piramus. p. 1-174, O. Philadelphia, The John C. Winston Co. 1906.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. v.
- LORD, ELEANOR LOUISA. The American Colonies as a Source of Naval Supplies for Great Britain. Published as Industrial Experiments in the British Colonies of North America. 10+154 p., O.
Johns Hopkins University Studies, vol. 17. Baltimore, 1898.
- LOWATER, FRANCES. The Spectra of Sulphur Dioxide. p. 324-342, O.
Reprint from the *Astrophysical Journal*, vol. 23, No. 4. May, 1906.

* Mrs. Joseph M. Dohan.

† Mrs. Samuel Prioleau Ravenel.

- LYON,* DOROTHY WILBERFORCE. *Christe qui lux es et dies* and its German, Dutch, and English Translations. p. 70-85 and p. 152-192, O. *American Journal of Philology*, vol. 19. 1898.
- MACDONALD, MARGARET BAXTER. A New Class of Disulphones. p. 1-21, O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.
- MADDISON, ISABEL. On Singular Solutions of Differential Equations of the First Order in Two Variables and the Geometrical Properties of Certain Invariants and Covariants of their Complete Primitives. p. 311-374, O.
Reprint from *Quarterly Journal of Mathematics*, vol. 28. 1896.
- MARTIN, EMILIE NORTON. On the Imprimitive Substitution Groups of Degree Fifteen and the Primitive Substitution Groups of Degree Eighteen. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *American Journal of Mathematics*, vol. 23, No. 3.
- MORRIS, MARGARET SHOVE. Colonial Trade of Maryland. p. 1-157, O. Baltimore. Johns Hopkins Press. 1914.
- NEILSON, NELLIE. Economic Conditions on the Manors of Ramsay Abbey. 124 p., O. Philadelphia, printed by the press of Sherman and Company. 1899.
- NICHOLS,§ HELEN HAWLEY. The Composition of the Elihu Speeches, Job, Chaps. XXXII-XXXVII. 95 p., O. 1911.
Reprint from *American Journal of Semitic Languages and Literatures*, vol. 28, No. 2. January, 1911.
- OGDEN, ELLEN SETON. The Origin of the Gunu-Signs in Babylonian. 144 p., O. Leipzig, printed by W. Drugulin. 1911.
- PARRIS,† MARION. Total Utility and the Economic Judgment Compared with their Ethical Counterparts. 103 p., O. Philadelphia, The John C. Winston Co. 1909.
- PEEBLES, FLORENCE. Experiments in Regeneration and in Grafting of Hydrozoa. 53+[1] p., O. Leipzig, Wilhelm Engelmann. 1900.
- PEEBLES, ROSE JEFFRIES. The Legend of Longinus in Ecclesiastical Tradition and in English Literature and its Connection with the Grail. 221 p., O. Baltimore, printed by J. H. Furst Co. 1911.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ix.
- PERKINS,‡ ELIZABETH MARY. The Expression of Customary Action or State in Early Latin. 77 p., O. Washington, D. C., printed by Judd and Detweiler. 1904.

* Mrs. Emmons Bryant.

† Mrs. William Roy Smith.

‡ Mrs. Eric Charles William Scheel Lyders.

§ Mrs. Eugene Lyman Porter.

- PERRY, LORINDA. The Millinery Trade in Boston and Philadelphia. A Study of Women in Industry. 122 p., O. Women's Educational and Industrial Union, Boston. Binghamton, N. Y. Vail-Ballou Press. 1916.
- RAGSDALE, VIRGINIA. On the Arrangement of the Real Branches of Plane Algebraic Curves. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1906.
Reprint from *American Journal of Mathematics*, vol. 28, No. 4.
- RAND, GERTRUDE. The Factors that Influence the Sensitivity of the Retina to Color: A Quantitative Study and Methods of Standardizing. 166+xi p., O. Princeton, N. J. 1913.
Reprint from *The Psychological Monographs, Princeton, N. J.*
- REIMER, MARIE. The Addition Reactions of Sulphinic Acids. 31 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1902.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.
- REYNOLDS, GRACE POTTER.* The Reaction between Organic Magnesium Compounds and Unsaturated Compounds containing Alkoxyl Groups. 29 p., O. Easton, Pa., Eschenbach Printing Co. 1910.
- RITCHIE,† MARY HELEN. A Study of Conditional and Temporal Clauses in Pliny the Younger. 57+[1] p., O. Philadelphia, Avil Printing Company. 1902.
- ROE,‡ ADAH BLANCHE. Anna Owena Hoyers, a Poetess of the Seventeenth Century. 128 p., O. Bryn Mawr, Pennsylvania. 1915.
Reprint from the *Bryn Mawr College Monographs, Monograph Series*, vol. xix.
- SANDISON, HELEN ESTABROOK. The "Chanson d'Aventure" in Middle English. 152 p., O. Bryn Mawr, Pennsylvania, 1913.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xii.
- SCHAEFFER,§ HELEN ELIZABETH. A Study of the Electric Spark in a Magnetic Field. p. 121-149, 1 pl., O. 1908.
Reprint from *Astrophysical Journal*, vol. 28, 1908.
- SCHENCK, EUNICE MORGAN. La part de Charles Nodier dans la formation des idées romantiques de Victor Hugo jusqu'à la *Preface de Cromwell*. 144 p., O. Bryn Mawr, Pennsylvania. 1914.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvi.
- SCHMIDT, GERTRUD CHARLOTTE. Das Deminutivum im Mittelniederdeutschen und Mittelniederländischen. 157+[ix] p., O. Borna-Leipzig, printed by Robert Noske. 1912.

* Mrs. Winthrop Merton Rice.

† Died, 1905.

‡ Mrs. Herman Lommel.

§ Mrs. William Bashford Huff. Died, 1913.

- SHEARER, EDNA ASTON. Hume's Place in Ethics. 86 p., O. Bryn Mawr, Pennsylvania. 1915.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvii.
- SPALDING, MARY CAROLINE. Middle English Charters of Christ. cxxiv+100 p., O. Bryn Mawr, Pennsylvania. 1914.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xv.
- STEVENS,* NETTIE MARIA. Further Studies on the Ciliate Infusoria, Licnophora, and Boveria. 45 p. 6 pl., O. 1903.
Reprint from *Archiv für Protistenkunde*, Bd. iii.
- STITES, SARA HENRY. Economics of the Iroquois. 159+vii p., O. Lancaster, Pa., The New Era Printing Co. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 3.
- SWEET, MARGUERITE. The Third Class of Weak Verbs in Primitive Teutonic with Special Reference to its Development in Anglo-Saxon. 49+[1] p., O. Baltimore, The Friedenwald Company. 1893.
- SWINDLER, MARY HAMILTON. Cretan Elements in the Cult and Ritual of Apollo. 77 p., O. Bryn Mawr, Pennsylvania. 1913.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xiii.
- TAYLOR, LILY ROSS. The Cults of Ostia. 100 p., O. Bryn Mawr, Pennsylvania. 1913.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xi.
- TRAVER, HOPE. The Four Daughters of God. A Study of the Versions of this Allegory, with Especial Reference to Those in Latin, French, and English. 171 p., O. Philadelphia, The John C. Winston Co. 1907.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vi.
- URDAHL,† MARGERETHE. On Certain u-Diphthongs in the Heliand. 40 p., O. Göttingen, printed in the University Press by E. A. Huth. 1904.
- WARREN,‡ WINIFRED. A Study of Conjunctional Temporal Clauses in Thukydides. 76+[3] p., O. Berlin, printed by Unger Brothers. 1897.
- WHITE, FLORENCE DONNELL. Voltaire's Essay on Epic Poetry. A Study and an Edition. 167 p., O. Albany, N. Y., Brandow Printing Co. 1915.
- WILLCOX, MARGUERITE. The Reversible Replacement of Alcohols in Aldehydealcoholates. 22 p., O. Easton, Pa. Eschenbach Printing Co. 1916.
- WILLIS, GWENDOLEN BROWN. The Ancient Gods in Greek Romance. 54 p., O. Chicago, University of Chicago Press. 1905.

* Died, 1912.

† Mrs. Lewis Albert Anderson.

‡ Mrs. George Arthur Wilson.

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German (Perkins) French (Chéron)	Greek (Kirk) German (Perkins) French (Chéron)
	GENERAL	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Avey)	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Avey)
	MINOR	Greek, Plato (Sanders) French Literature (Schenck) Economics, Introduction to Economics, Div. A (M. P. Smith) Div. B (McBride)	Greek, Homer (Wright) French Reading and Composition Economics, Introduction to Economics, Div. A (M. P. Smith) Div. B (McBride)
	MAJOR	Ancient Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel)	Hellenistic Towns (Carpenter) Mathematics, Trigonometry (Scott) Chemistry (Brunel)
	ELECTIVE	German Literature (Jessen) Fifth Century Athens (Ferguson) Psychology, Social Psychology (Leuba)	German, Faust (Jessen) Historians of Rome (Ferguson) Psychology, Social Psychology (Leuba)
	POST-MAJOR	Biology, Theoretical (Tennent)	Physical Basis of Music (Huff)
	GRADUATE	Inorganic Chemistry (Crenshaw) Physics (Barnes) Geology (T. C. Brown)	Geology (T. C. Brown)
10	GENERAL	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
	MINOR	English, Anglo-Saxon (Patch) English, 19th Century Critics (Chew) German Grammar (Sehrt) Spanish (DeHaan) History of Europe, Div. A (Gray) Div. B (Leake) Biology (Tennent)	English, Anglo-Saxon (Patch) English, 19th Century Critics (Chew) German Literature (Jessen) Spanish (DeHaan) History of Europe, Div. A (Gray) Div. B (Leake) Biology (Tennent)
	MAJOR	Philosophy, Kant to Spencer (Avey) 17th and 18th Cent. Painting (Parkhurst) Geology (T. C. Brown)	Philosophy, Kant to Spencer (Avey) Renaissance Sculpture (G. G. King) Geology (T. C. Brown)
	ELECTIVE	Private Law (Fenwick)	German, Advanced Composition (Huff)
	POST-MAJOR	Physics (Huff) Chemistry (Brunel)	Astrophysics (Barnes) Physical Chemistry (Crenshaw)
	GRADUATE		Mental Tests (Rand), 10-12
11	GENERAL	English Composition, 1st year (Savage)	English Composition, 1st year (Savage)
	MINOR	Italian (Vatar) Ancient History, Oriental (Barton) Philosophy, History of (T. de Laguna) Greek Sculpture (Carpenter)	Italian (Vatar) Ancient History, Classical (Ferguson) Philosophy, History of (T. de Laguna) Ancient Painting (Swindler)
	MAJOR	Latin, Tacitus (Wheeler) Spanish Reading (DeHaan) History, British Imperialism (W. R. Smith) History, French Revolution (Leake) Physics (Barnes) Chemistry (Crenshaw)	Latin Literature (Frank) Spanish Literature (DeHaan) History, British Imperialism (W. R. Smith) History, French Revolution (Leake) Physics (Barnes) Chemistry (Crenshaw)
	ELECTIVE		Descriptive Astronomy (Hazlett)
	POST-MAJOR	Mineralogy (Bascom)	Invertebrate Palaeontology (Tennent)
	GRADUATE	Systematic Psychology (Ferree)	
12	MINOR	Latin, Cicero, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff) Geology (Bascom)	Latin, Horace, Div. A (Frank) Div. B (Swindler) Div. C (Ferguson) Psychology, Experimental (Ferree and Rand) Gothic Architecture (G. G. King) Physics (Huff) Geology (Bascom)
	MAJOR	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Vatar) Politics, Present Problems (Fenwick) Mathematics (Hazlett) Biology	Greek Literature (Wright) English Drama (Chew) French Reading and Composition Politics, Present Problems (Fenwick) Mathematics (Hazlett) Biology
	ELECTIVE		History of the U. S. from 1865 (Fenwick)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

ST SEMESTER, 1917-18.

WEDNESDAY	THURSDAY	FRIDAY
<p>Kirk) (Perkins) (Chéron)</p> <p>hy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Avey)</p> <p>lato (Sanders) Literature (Schenek) es, Introduction to Div. A (M. P. Smith) Div. B (McBride)</p> <p>Architecture (Carpenter) atics, Conics (Scott) y (Brunel)</p> <p>Composition and Reading (Sehrt) ature Athens (Ferguson) gy, Social Psychology (Leuba)</p> <p>ny (Bascom)</p> <p>Biochemistry</p> <p>Barnes)</p>	<p>Greek (Kirk) German (Perkins) French (Chéron)</p> <p>Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Avey)</p> <p>Greek, Homer (Wright) French Reading and Composition (Schenek) Economics, Introduction to Div. A (M. P. Smith) Div. B (McBride)</p> <p>Hellenistic Towns (Carpenter) Mathematics, Trigonometry (Scott) Chemistry, Demonstration (Brunel)</p> <p>German, Faust (Jessen) Roman Life (Frank) Psychology, Social Psychology (Leuba)</p> <p>Physics Journal Club (Huff and Barnes) Geology (T. C. Brown) Biology Journal Club (Tennent)</p>	<p>Greek (Kirk) German (Perkins) French (Chéron)</p> <p>Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Avey)</p> <p>Greek, Sophocles (Sanders) French Literature (Schenek) Economics, Introduction to Div. A (M. P. Smith) Div. B (McBride)</p> <p>Ancient Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel)</p> <p>German Literature (Jessen) Fifth Century Athens (Ferguson) Psychology, Social Psychology (Leuba)</p> <p>New Testament Canon (Barton) Meteorology (T. C. Brown)</p> <p>Physics (Barnes)</p>
<p>Literature, 2nd year (Donnelly)</p> <p>Anglo-Saxon (Patch) 19th Century Critics (Chew) Reading (Sehrt) De Haan) Europe, Div. A (Gray) Div. B (Leake) (Tennent)</p> <p>Kant to Spencer (Avey) 18th Cent. Painting (Parkhurst) T. C. Brown)</p> <p>Mathematics (Scott)</p> <p>Huff) (Brunel)</p>	<p>English Literature, 2nd year (Donnelly)</p> <p>English, Anglo-Saxon (Patch) English, 19th Century Critics (Chew) German Literature (Jessen) Spanish (DeHaan) History of Europe, Div. A (Gray) Div. B (Leake) Biology, Demonstration (Tennent)</p> <p>Philosophy, Kant to Spencer (Avey) Renaissance Sculpture (G. G. King) Geology Laboratory (T. C. Brown)</p> <p>Middle High German (Sehrt) Astrophysics (Barnes) Physical Chemistry (Crenshaw)</p>	<p>English Literature, 2nd year (Donnelly)</p> <p>English, Anglo-Saxon (Patch) English, 19th Century Critics (Chew) German Reading (Sehrt) Spanish (DeHaan) History of Europe, Div. A (Gray) Div. B (Leake) Biology (Tennent)</p> <p>Philosophy, Kant to Spencer (Avey) 17th and 18th Cent. Painting (Parkhurst) Geology Laboratory (T. C. Brown)</p> <p>Physics (Huff) Chemistry (Brunel)</p>
<p>Composition, 1st year (Savage)</p> <p>star) History, Oriental (Barton) History of (T. de Laguna) Sculpture (Carpenter)</p> <p>Titus (Wheeler) Grammar (DeHaan) British Imperialism (W. R. Smith) French Revolution (Leake) Barnes) (Crenshaw)</p> <p>al (Bascom)</p> <p>Psychology (Ferree)</p> <p>ro, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler) Experimental (Ferree and Rand) Renaissance Painting (G. G. King) Huff) (Bascom)</p> <p>Atrophanes (Sanders) ana (Chew) Literature (Vatar) Present Problems (Fenwick) s (Hazlett)</p> <p>Chemistry (Crenshaw)</p>	<p>English Composition, 1st year (Savage)</p> <p>Italian (Vatar) Ancient History, Classical (Ferguson) Philosophy, History of (T. de Laguna) Ancient Painting (Swindler)</p> <p>Latin Literature (Frank) Spanish Literature (De Haan) History, British Imperialism (W. R. Smith) History, French Revolution (Leake) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)</p> <p>Descriptive Astronomy (Hazlett)</p> <p>Invertebrate Palaeontology (T. C. Brown)</p> <p>Latin, Horace, Div. A (Frank) Div. B (Swindler) Div. C (Ferguson)</p> <p>Psychology, Experimental (Ferree and Rand) Gothic Architecture (G. G. King) Physics, Demonstration (Huff) Geology, Demonstration (Bascom)</p> <p>Greek Literature (Wright) English Drama (Chew) French Reading and Composition (Beck) Politics, Present Problems (Fenwick) Mathematics (Hazlett) Biology</p> <p>History of the U. S. from 1865 (W. R. Smith)</p> <p>Chemistry Journal Club (Brunel, Crenshaw)</p>	<p>English Composition, 1st year (Savage)</p> <p>Italian (Vatar) Ancient History, Oriental (Barton) Philosophy, History of (T. de Laguna) Greek Sculpture (Carpenter)</p> <p>Latin, Tacitus (Wheeler) Spanish Reading (De Haan) History, British Imperialism (W. R. Smith) History, French Revolution (Leake) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)</p> <p>Mineralogy (Bascom)</p> <p>Systematic Psychology (Ferree)</p> <p>Latin, Cicero, Div. A (Wheeler) Div. B (Ferguson) Div. C (Swindler)</p> <p>Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff) Geology (Bascom)</p> <p>Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Vatar) Politics, Present Problems (Fenwick) Mathematics (Hazlett) Biology</p> <p>Physical Chemistry (Crenshaw)</p>

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor, Field Work (Bascom) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Minor (Tennent)
	ELECTIVE	History of Christian Doctrine (Barton)	History of Christian Doctrine (Barton)
	POST-MAJOR	Greek, Sophocles (Sanders)	Greek, Sophocles (Sanders)
		French, Molière (Vatar) Economics and Politics, Economic and Social Legislation (Marion P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)	French, Molière (Vatar) Economics and Politics, Economic and Social Legislation (Marion P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)
	GRADUATE	Cynewulf and Caedmon (Patch), 2.30-4.30 Social Treatment (Kellogg) Advanced Social Statistics (McBride)	Social Treatment (Kellogg) Advanced Social Statistics (McBride)
3	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor, Field Work (Bascom) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Minor (Tennent)
	ELECTIVE	Elocution, Reading of Shakespeare (S. A. King) Education (Castro)	Elocution, Reading of Shakespeare (S. A. King) Education (Castro) Advanced Experimental Psychology
	POST-MAJOR	Latin, Lucretius and Catullus (Frank) History, American Constitutional (William R. Smith) Social Research (Kingsbury)	Latin, Lucretius and Catullus (Frank) History, American Constitutional (William R. Smith) Social Research (Kingsbury) Mathematics (Hazlett)
	GRADUATE	Teutonic Seminary (Sehrt), 3-5 Foundations of French Grammar (Beck) Semitic Seminary (Barton) Legal Procedure (Kellogg) Psychology Journal Club (Leuba, Ferree, and Rand) Seminary in Modern Painting (G. G. King), 3-5	Greek Seminary, Attic Tragedy, 3-4.30 Seminary in English Literature, 3-4.30 Seminary in French Literature, 3-4.30 Egyptian (Barton) Legal Procedure (Kellogg)
	GRADUATE	Latin Seminary, Epigraphy (Frank), 4-6 Seminary in Mediæval French Literature (Beck), 4-6 Seminary in Oriental Archaeology (Barton) History Journal Club (Gray, William R. Smith, and Leake), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick), 4-6. Alternate Weeks Social Economy Journal Club (Kingsbury, Kellogg, and McBride), 4-6. Alternate Weeks Seminary in Social Economy, Practicum (Kingsbury and Kellogg), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Mathematics (Hazlett), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler), 4.30-6. Alternate Weeks Middle English Seminary (Patch), 4.30-6. Alternate Weeks German Journal Club (Jesse), 4.30-6. Alternate Weeks Seminary in European History Seminary in Politics (Fenwick) Seminary in Social Theory (Kellogg) Seminary in Ethics (Theodor), 4-6 Seminary in Educational Theory for Social Workers (Castro) Mathematical Journal Club (Hazlett). Alternate Weeks
4			
5	GRADUATE	Introduction to Teutonic Philology (Sehrt) Spanish Seminary (De Haan)	

FIRST SEMESTER, 1917-18 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>Herodotus (Sanders) Composition (Frank) Reading (Jessen) Molière (Vatar) Economics and Politics, Economic and Social History (Marion P. Smith) Painting (G. G. King) Protoplasm (Tennent)</p> <p>1 and Advanced Criticism (Savage), Biology Seminary (Carpenter), 2-4 Old French Philology (Beck), 2-4 Treatment (Kellogg)</p>	<p>Physics, Major (Barnes) Chemistry, Major (Crenshaw) Geology, Major (T. C. Brown) Biology, Major</p> <p>Æsthetics (Parkhurst)</p> <p>Greek, Theocritus (Wright)</p> <p>German Literature (Jessen) French, Short Story (Schenck) Economics and Politics, International Law (Fenwick)</p> <p>Seminary in European History (Gray) Ægean Archæology (Swindler)</p>	<p>Physics, Major (Barnes) Chemistry, Major (Crenshaw) Geology, Major (T. C. Brown) Biology, Major</p> <p>Æsthetics (Parkhurst)</p> <p>German Literature (Jessen) French, Short Story (Schenck) Economics and Politics, International Law (Fenwick)</p> <p>Greek Seminary, Plato (Wright), 2-4 Mathematics (Scott), 2-4</p>
<p>Statistics (Crandall) History of Statistics (McBride)</p> <p>Theocritus (Wright) Theocritus and Catullus (Frank) England to 1485 (Gray) Economics (Hazlett) Nervous System</p> <p>Literary Criticism (Jessen) Short Story Seminary (Barton) Seminary in Greek Literature (Barton) Seminary in Politics (Fenwick)</p>	<p>Physics, Major (Barnes) Chemistry, Major (Crenshaw) Geology, Major (T. C. Brown) Biology, Major</p> <p>The Short Story (Crandall)</p> <p>Roman Satire (Wheeler)</p> <p>History, England to 1485 (Gray)</p> <p>Greek Seminary, Attie Tragedy (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Seminary in French Literature (Schenck), 3-4.30 Comp. Teutonic Grammar (Sehrt) Hebrew (Barton) Philosophical Journal Club (Theodore de Laguna, Grace de Laguna, and Avey), 3-4.30</p>	<p>Physics, Major (Barnes) Chemistry, Major (Crenshaw) Geology, Major (T. C. Brown) Biology, Major</p> <p>Roman Satire (Wheeler)</p> <p>History, England to 1485 (Gray)</p> <p>English Journal Club (Donnelly, Chew, Savage, Patch), 3-4.30. Alternate Weeks Gothic (Sehrt) Romance Languages Journal Club (De Haan, Beck, Schenck, and Vatar), 3-4.30. Alternate Weeks Archæological Journal Club (Carpenter, Swindler), 3-4.30. Alternate Weeks</p>
<p>Seminary, Roman Elegy (Wheeler), 4-6 High German (Sehrt) Seminary in Romance Philology (Beck), 4-6 Seminary, 4-6 Seminary in History of Religion (Barton) Seminary in American History (William R. 4-6 Seminary in Social Research (Kingsbury), 4-6 Seminary in Social Psychology (Leuba), 4-6 Seminary in Principles and Methods of Education (Castro), 4.30-6 Seminary in Petrology (Bascom), 4.30-6 Zoology (Tennent), 4.30-6</p>	<p>Middle English Seminary (Patch), 4.30-6 Seminary in German Literature (Jessen), 4-6 Middle Low German (Sehrt) Semitic Seminary (Barton) Seminary in Ancient History (Ferguson), 4-6 Education Journal Club (Castro), 4.30-6 Journal Club in History of Art (G. G. King), 4.30-6. Alternate Weeks Seminary in Physiology, 4-6</p>	<p>Latin Seminary, Roman Elegy (Wheeler), 4.30-6 Middle High German (Sehrt)</p> <p>Seminary in Romance Philology (Beck), 4.30-6 Seminary in Economics (Marion P. Smith), 4-6 Seminary in Metaphysics (Grace de Laguna), 4-6 Seminary in Principles and Methods of Education (Castro), 4.30-6 Seminary in Petrology (Bascom), 4.30-6</p>
<p>German (Sehrt) Seminary (DeHaan)</p>	<p>Geology Journal Club (Bascom and T. C. Brown)</p>	<p>Old High German (Sehrt)</p>

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German (Perkins) French (Chéron)	Greek (Kirk) German (Perkins) French (Chéron)
	GENERAL	Psychology, Div. A (Leuba) Div. B (Avey)	Psychology, Div. A (Leuba) Div. B (Avey)
	MINOR	Greek, Euripides (Sanders) French, 19th Century Literature (Beck) Introduction to Government and Politics, Div. A (Fenwick) Div. B (Leake) Ancient Architecture (Carpenter) Mathematics, Calculus (Hazlett) Chemistry (Crenshaw)	Greek, Homer (Wright) French, Reading and Composition Introduction to Government and Div. A (Fenwick) Div. B (Leake) Ancient Rome (Swindler) Mathematics, Algebra (Hazlett) Chemistry Laboratory (Crenshaw)
	MAJOR	German Literature (Jessen) Ancient History, Roman Empire (Ferguson) Psychology, Applied (Rand)	German, Faust (Jessen) Historians of Rome (Ferguson) Psychology, Applied (Rand)
	ELECTIVE	Biology, Theoretical (Tennent)	Physical Basis of Music (Huff)
	POST-MAJOR	Inorganic Chemistry (Crenshaw)	
	GRADUATE	Physics (Huff) Geology (T. C. Brown)	Geology (T. C. Brown)
10	GENERAL	English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)
	MINOR	English Romantic Poets (Donnelly) German Grammar (Sehrt) Spanish (DeHaan) History from 1517 to 1789 (W. R. Smith) History of the Middle Ages (Leake) Biology	English Romantic Poets (Donnelly) German Literature (Jessen) Spanish (DeHaan) History from 1517 to 1789 (W. R. Smith) History of the Middle Ages (Leake) Biology Laboratory
	MAJOR	Philosophy, Ethics (T. de Laguna) 17th and 18th Century Painting (Parkhurst) Geology (Bascom)	Philosophy, Ethics (T. de Laguna) Renaissance Sculpture (G. G. King) Geology (Bascom)
	ELECTIVE	Private Law (Fenwick)	German, Advanced Composition
	POST-MAJOR	Physics (Barnes) Chemistry (Brunel)	Astrophysics (Barnes) Physical Chemistry (Crenshaw)
	GRADUATE		Mental Tests (Rand), 10-12
11	GENERAL	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
	MINOR	Italian (Vatar) Ancient History, Oriental (Barton) Recent Philosophical Tendencies (G. de Laguna) Greek Sculpture (Carpenter)	Italian (Vatar) Ancient History, Classical (Ferguson) Recent Philosophical Tendencies (G. de Laguna) Archæology, Minor Arts (Carpenter)
	MAJOR	Latin Comedy (Wheeler) Spanish Reading (DeHaan) History of the Renaissance (Gray) Physics (Huff) Chemistry (Brunel)	Latin Literature (Frank) Spanish Literature (DeHaan) History of the Renaissance (Gray) Physics (Huff) Chemistry (Brunel)
	ELECTIVE		Descriptive Astronomy (Hasler)
	POST-MAJOR	Mineralogy (Bascom)	Invertebrate Paleontology (T. Brown)
	GRADUATE	Systematic Psychology (Ferree)	
12	MINOR	Latin, Terence, Div. C (Wheeler) Div. A (Ferguson) Div. B (Swindler) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes) Geology (T. C. Brown)	Latin Horace, Div. B (Frank) Div. A (Swindler) Div. C (Ferguson) Psychology of Instinct and Emotion (Leuba) Gothic Architecture (G. G. King) Physics Laboratory (Barnes) Geology Laboratory (T. C. Brown)
	MAJOR	Greek, Thucydides (Sanders) Middle English Poetry (Patch) English Literature from Dryden to Johnson (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology (Tennent)	Greek Literature (Wright) Middle English Poetry (Patch) English Literature from Dryden to Johnson (Chew) French, Reading and Composition Econ., Hist. of Econ. Thought Mathematics (Scott) Biology (Tennent)
	ELECTIVE		History of the U. S. from 1865
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

COND SEMESTER, 1917-18.

WEDNESDAY	THURSDAY	FRIDAY
Kirk) Perkins) Chéron)	Greek (Kirk) German (Perkins) French (Chéron)	Greek (Kirk) German (Perkins) French (Chéron)
ogy, Div. A (Leuba) Div. B (Avey)	Psychology, Div. A (Leuba) Div. B (Avey)	Psychology, Div. A (Leuba) Div. B (Avey)
uripides (Sanders) 19th Century Literature (Beck) Introduction to Government and Politics, Div. A (Fenwick) Div. B (Leake) Architecture (Carpenter) Statistics, Calculus (Hazlett) Chemistry (Crenshaw)	Greek, Homer (Wright) French, Reading and Composition (Beck) Introduction to Government and Politics, Div. A (Fenwick) Div. B (Leake) Ancient Rome (Swindler) Mathematics, Algebra (Hazlett) Chemistry, Demonstration (Crenshaw)	Greek, Herodotus (Sanders) French, 19th Century Literature (Beck) Introduction to Government and Politics, Div. A (Fenwick) Div. B (Leake) Ancient Architecture (Carpenter) Mathematics, Calculus (Hazlett) Chemistry (Crenshaw)
Composition and Reading (Sehrt) History, Roman Empire (Ferguson) Psychology, Applied (Rand)	German, Faust (Jessen) Ancient History, Roman Life (Frank) Psychology, Applied (Rand)	German Literature (Jessen) Ancient History, Roman Empire (Ferguson) Psychology, Applied (Rand)
ny (Bascom)		New Testament Canon (Barton) Meteorology (T. C. Brown)
Biochemistry		
Huff)	Physics Journal Club (Huff and Barnes) Geology (T. C. Brown) Biology Journal Club (Tennent)	Physics (Huff)
Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)
Romantic Poets (Donnelly) German Reading (Sehrt) Spanish (DeHaan) History from 1517 to 1789 (W. R. Smith) History of the Middle Ages (Leake)	English Romantic Poets (Donnelly) German Literature (Jessen) Spanish (DeHaan) History from 1517 to 1789 (W. R. Smith) History of the Middle Ages (Leake) Biology, Demonstration	English Romantic Poets (Donnelly) German Reading (Sehrt) Spanish (DeHaan) History from 1517 to 1789 (W. R. Smith) History of the Middle Ages (Leake) Biology
Philosophy, Ethics (T. de Laguna) 18th Century Painting (Parkhurst) Bascom)	Philosophy, Ethics (T. de Laguna) Renaissance Sculpture (G. G. King) Geology Laboratory (Bascom)	Philosophy, Ethics (T. de Laguna) 17th and 18th Century Painting (Parkhurst) Geology Laboratory (Bascom)
Mathematics (Scott)		
Barnes) (Brunel)	Middle High German (Sehrt) Astrophysics (Barnes) Physical Chemistry (Crenshaw)	Physics (Barnes) Chemistry (Brunel)
Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
Italian (Vatar) Ancient History, Oriental (Barton) Recent Philosophical Tendencies (G. de Laguna) Greek Sculpture (Carpenter)	Italian (Vatar) Ancient History, Classical (Ferguson) Recent Philosophical Tendencies (G. de Laguna) Archaeology, Minor Arts (Carpenter)	Italian (Vatar) Ancient History, Oriental (Barton) Recent Philosophical Tendencies (G. de Laguna) Greek Sculpture (Carpenter)
Comedy (Wheeler) Latin Grammar (DeHaan) History of the Renaissance (Gray) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)	Latin Literature (Frank) Spanish Literature (DeHaan) History of the Renaissance (Gray) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)	Latin Comedy (Wheeler) Spanish Reading (DeHaan) History of the Renaissance (Gray) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)
Descriptive Astronomy (Hazlett)		
(Bascom)	Invertebrate Paleontology (T. C. Brown)	Mineralogy (Bascom)
Psychology (Ferree)		Systematic Psychology (Ferree)
Terence, Div. C (Wheeler) Div. A (Ferguson) Div. B (Swindler)	Latin, Horace, Div. B (Frank) Div. A (Swindler) Div. C (Ferguson)	Latin, Terence, Div. C (Wheeler) Div. A (Ferguson) Div. B (Swindler)
Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes) Geology, Demonstration (T. C. Brown)	Psychology of Instinct and Emotion (Leuba) Gothic Architecture (G. G. King) Physics, Demonstration (Barnes) Geology, Demonstration (T. C. Brown)	Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes) Geology (T. C. Brown)
Greek Literature (Wright) Middle English Poetry (Patch) English Literature from Dryden to Johnson (Chew) French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology Laboratory (Tennent)	Greek Literature (Wright) Middle English Poetry (Patch) English Literature from Dryden to Johnson (Chew) French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology Laboratory (Tennent)	Greek, Thucydides (Sanders) Middle English Poetry (Patch) English Literature from Dryden to Johnson (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology Laboratory (Tennent)
History of the U. S. from 1865 (W. R. Smith)		
Chemistry (Crenshaw)	Chemistry Journal Club (Brunel and Crenshaw)	Physical Chemistry (Crenshaw)

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Physics, Minor (Barnes) Chemistry, Minor (Crenshaw) Geology, Minor, Field Work (T. C. Brown) Biology, Minor	Physics, Minor (Barnes) Chemistry, Minor (Crenshaw) Geology, Minor (T. C. Brown) Biology, Minor
	ELECTIVE	Materials and Methods of Teaching Composition (Savage) History of Christian Doctrine (Barton)	Materials and Methods of Teaching Composition (Savage) History of Christian Doctrine (Barton)
	POST-MAJOR	Greek, Euripides (Sanders) French, Molière (Vatar)	Greek, Bacchylides (Sanders) French, Molière (Vatar)
		Economics and Politics, Economic and Social Legislation (Marion P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)	Economics and Politics, Economic and Social Legislation (Marion P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)
	GRADUATE	Cynwulf and Caedmon (Patch), 2.30-4.30 Social Treatment (Kellogg) Advanced Social Statistics (McBride)	 Social Treatment (Kellogg) Advanced Social Statistics (McBride)
3	LABORATORY WORK	Physics, Minor (Barnes) Chemistry, Minor (Crenshaw) Geology, Minor, Field Work (T. C. Brown) Biology, Minor	Physics, Minor (Barnes) Chemistry, Minor (Crenshaw) Geology, Minor (T. C. Brown) Biology, Minor
	ELECTIVE	Elocution, Reading of Shakespeare (S. A. King) Education (Castro)	Elocution, Reading of Shakespeare (S. A. King) Advanced Experimental Psychology Education (Castro)
	POST-MAJOR	Latin, Martial and Pliny (Frank) History, American Constitutional (William R. Smith) Social Betterment (Kingsbury)	Latin, Martial and Pliny (Frank) History, American Constitutional (William R. Smith) Social Betterment (Kingsbury) Mathematics (Hazlett)
	GRADUATE	Teutonic Seminary (Sehrt), 3-5 Foundations of French Grammar (Beck) Semitic Seminary (Barton) Legal Procedure (Kellogg) Psychology Journal Club (Leuba, Ferree, and Rand) Seminary in Modern Painting (G. G. King), 2-4	Greek Seminary, Attic Tragedies Seminary in English Literature, 3-4.30 Seminary in French Literature, 3-4.30 Egyptian (Barton) Legal Procedure (Kellogg)
		Latin Seminary, Epigraphy (Frank), 4-6 Seminary in Mediæval French Literature (Beck), 4-6 Seminary in Oriental Archæology (Barton) History Journal Club (Gray, W. R. Smith, and Leake), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick, and Kingsbury), 4-6. Alternate Weeks Seminary in Social Economy Practicum (Kingsbury and Kellogg), 4-6. Alternate Weeks Social Economy Journal Club (Kingsbury, Kellogg, McBride), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Mathematics (Hazlett), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler), 4.30-6. Alternate Weeks Middle English Seminary (Paul), 4.30-6. Alternate Weeks German Journal Club (Jesse), 4.30-6. Alternate Weeks Seminary in European History (Kingsbury), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Social Theory (Kellogg), 4-6 Seminary in Educational Theory for Social Workers (Caldwell), 4-6 Mathematical Journal Club (Hazlett), Alternate Weeks
4	GRADUATE	Latin Seminary, Epigraphy (Frank), 4-6 Seminary in Mediæval French Literature (Beck), 4-6 Seminary in Oriental Archæology (Barton) History Journal Club (Gray, W. R. Smith, and Leake), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick, and Kingsbury), 4-6. Alternate Weeks Seminary in Social Economy Practicum (Kingsbury and Kellogg), 4-6. Alternate Weeks Social Economy Journal Club (Kingsbury, Kellogg, McBride), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Mathematics (Hazlett), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler), 4.30-6. Alternate Weeks Middle English Seminary (Paul), 4.30-6. Alternate Weeks German Journal Club (Jesse), 4.30-6. Alternate Weeks Seminary in European History (Kingsbury), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Social Theory (Kellogg), 4-6 Seminary in Educational Theory for Social Workers (Caldwell), 4-6 Mathematical Journal Club (Hazlett), Alternate Weeks
	GRADUATE	Introduction to Teutonic Philology (Sehrt) Spanish Seminary (DeHaan)	
5	GRADUATE	Introduction to Teutonic Philology (Sehrt) Spanish Seminary (DeHaan)	

COND SEMESTER, 1917-18 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>ry, Major (Brunel)</p> <p>and Methods of Teaching Com- on (Savage), 2-4</p> <p>Prose Composition (Sanders) Composition (Frank) Reading (Jessen) Molière (Vatar) and Politics, Economic and Social ation (Marion P. Smith) Painting (G. G. King) ry (Crenshaw) Morphology (Tennent)</p> <p>Old French Philology (Beck), 2-4 ological Seminary (Carpenter), 2-4 reatment (Kellogg)</p>	<p>Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Major (Tennent)</p> <p>Æsthetics (Parkhurst)</p> <p>Greek, Æschylus (Wright)</p> <p>German Literature (Jessen) French, The Short Story (Schenck) Economics and Politics, International Law (Fenwick)</p> <p>Seminary in European History (Gray) Ancient Painting (Swindler)</p>	<p>Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Major (Tennent)</p> <p>Æsthetics (Parkhurst)</p> <p>German Literature (Jessen) French, The Short Story (Schenck) Economics and Politics, International Law (Fenwick)</p> <p>Greek Seminary, Plato (Wright), 2-4</p> <p>Mathematics (Scott), 2-4</p>
<p>ry, Major (Brunel)</p> <p>itation (Crandall) s of Statistics (McBride)</p> <p>Æschylus (Wright) artial and Pliny (Frank) England to 1485 (Gray) ics (Hazlett) Nervous System</p> <p>The Essay (Jessen) Sehrt) tament Greek Seminary (Barton) in Politics (Fenwick)</p>	<p>Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Major (Tennent)</p> <p>The Short Story (Crandall)</p> <p>Roman Satire (Wheeler)</p> <p>History, England to 1485 (Gray)</p> <p>Greek Seminary, Attic Tragedy (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Comparative Teutonic Grammar (Sehrt) Seminary in French Literature (Schenck), 3-4.30 Hebrew (Barton) Philosophical Journal Club (Theodore de Laguna, Grace de Laguna, and Avey), 3-4.30</p>	<p>Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Major (Tennent)</p> <p>Roman Satire (Wheeler)</p> <p>History, England to 1485 (Gray)</p> <p>English Journal Club (Donnelly, Chew, Sav- age, and Patch), 3-4.30. Alternate Weeks</p> <p>Gothic (Sehrt) Romance Languages Journal Club (DeHaan, Beck, Schenck, and Vatar), 3-4.30. Alter- nate Weeks Archæological Journal Club (Carpenter, Swindler), 3-4.30. Alternate Weeks</p>
<p>minary, Roman Elegy (Wheeler),</p> <p>High German (Sehrt) in Romance Philology (Beck)</p> <p>minary, 4-6 in History of Religion (Barton) in American History (William R. 4-6 in Social Research (Kingsbury), in Social and Political Philosophy Laguna), 4-6 in Principles and Methods of ion (Castro), 4.30-6 in Petrology (Bascom), 4.30-6 in Zoology (Tennent), 4.30-6</p>	<p>Middle English Seminary (Patch), 4.30-6</p> <p>Seminary in German Literature (Jessen), 4-6 Middle Low German (Sehrt) Semitic Seminary (Barton) Seminary in Ancient History (Ferguson), 4-6 Education Journal Club (Castro), 4.30-6 Journal Club in History of Art (G. G. King), 4.30-6. Alternate Weeks</p> <p>Seminary in Physiology, 4-6</p>	<p>Latin Seminary, Roman Elegy (Wheeler), 4.30-6 Middle High German (Sehrt) Seminary in Romance Philology (Beck), 4.30-6 Seminary in Economics (Marion P. Smith), 4-6 Seminary in Metaphysics (Grace de Laguna), 4-6 Seminary in Principles and Methods of Education (Castro), 4.30-6 Seminary in Petrology (Bascom), 4.30-6</p>
<p>German (Sehrt) Seminary (DeHaan)</p>	<p>Geology Journal Club (Bascom and T. C. Brown). Alternate Weeks</p>	<p>Old High German (Sehrt)</p>

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BRYN MAWR COLLEGE

CALENDAR

GRADUATE COURSES

1918



BRYN MAWR, PENNSYLVANIA.
Published by Bryn Mawr College,
March, 1918.

Volume XI. Part 2.

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BRYN MAWR COLLEGE CALENDAR

1918

- PART 1. Register of Alumnæ and Former Students.
- PART 2. Graduate Courses.
- PART 3. Undergraduate and Graduate Courses.
- PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1918.														1919.														1920.													
JANUARY							JULY							JANUARY							JULY							JANUARY													
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S							
			1	2	3	4	5					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24						
6	7	8	9	10	11	12	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31										
13	14	15	16	17	18	19	14	15	16	17	18	19	20	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
20	21	22	23	24	25	26	21	22	23	24	25	26	27	19	20	21	22	23	24	25	26	27	28	29	30	31	25	26	27	28	29	30	31								
27	28	29	30	31			28	29	30	31				26	27	28	29	30	31																						
FEBRUARY							AUGUST							FEBRUARY							AUGUST							FEBRUARY													
					1	2								2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22							
3	4	5	6	7	8	9	4	5	6	7	8	9	10	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28								
10	11	12	13	14	15	16	11	12	13	14	15	16	17	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31												
17	18	19	20	21	22	23	18	19	20	21	22	23	24	23	24	25	26	27	28	29	30																				
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The academic year will close with the Conferring of Degrees at eleven o'clock, on June 18, 1919.

ACADEMIC YEAR, 1918-19.

September 24th.	Matriculation examinations begin.
September 30th.	Registration of students. Halls of Residence open for students at three p. m.
October 1st.	Registration of students. Matriculation examinations end.
October 2nd.	The work of the thirty-fourth academic year begins at a quarter to nine o'clock.
October 3rd.	Examinations for advanced standing begin.
October 5th.	Language examinations for all undergraduates.
October 12th.	Senior examination in French. Language examinations for Juniors.
October 19th.	Senior examination in German.
October 24th.	Examinations for advanced standing end.
November 18th.	Collegiate and matriculation condition examinations begin.
November 26th.	Collegiate and matriculation condition examinations end.
November 27th.	Thanksgiving vacation begins at one o'clock.
December 2nd.	Thanksgiving vacation ends at nine o'clock.
December 7th.	Senior examination in French.
December 14th.	Senior examination in German.
December 19th.	Christmas vacation begins at one o'clock.
January 3rd.	Christmas vacation ends at nine o'clock.
January 16th.	Matriculation examinations begin.
January 21st.	Matriculation examinations end.
January 22nd.	Half-yearly collegiate examinations begin.
February 1st.	Collegiate examinations end. Annual meeting of the Alumnæ Association.
February 3rd.	Vacation.
February 4th.	Vacation.
February 5th.	The work of the second semester begins at a quarter to nine o'clock.
February 6th.	Examinations for advanced standing begin.
February 27th.	Examinations for advanced standing end.
March 18th.	Mid-semester examination in matriculation Greek.
March 21st.	Announcement of European Fellowships.
April 5th.	Senior examination in French.
April 7th.	Collegiate and matriculation condition examinations begin.
April 12th.	Senior examination in German.
April 15th.	Collegiate and matriculation condition examinations end.
April 16th.	Easter vacation begins at one o'clock.
April 24th.	Easter vacation ends at nine o'clock.
May 10th.	Senior examinations in French and German.
May 20th.	Vacation.

May 21st.	Collegiate examinations begin.
May 29th.	Matriculation examinations begin.
May 31st.	Collegiate examinations end.
June 4th.	Matriculation examinations end.
June 5th.	Conferring of degrees and close of thirty-fourth academic year.

ACADEMIC YEAR, 1919-20.

September 23rd.	Matriculation examinations begin.
September 29th.	Registration of students. Halls of Residence open for students at three p. m.
September 30th.	Registration of students. Matriculation examinations end.
October 1st.	The work of the thirty-fifth academic year begins at a quarter to nine o'clock.
October 2nd.	Examinations for advanced standing begin.
October 4th.	Language examinations for all undergraduates.
October 11th.	Senior examination in French. Language examinations for Juniors.
October 18th.	Senior examination in German.
October 23rd.	Examinations for advanced standing end.
November 17th.	Collegiate and matriculation condition examinations begin.
November 25th.	Collegiate and matriculation condition examinations end.
November 26th.	Thanksgiving vacation begins at one o'clock.
December 1st.	Thanksgiving vacation ends at nine o'clock.
December 6th.	Senior examination in French.
December 13th.	Senior examination in German.
December 22nd.	Christmas vacation begins at one o'clock.
January 6th.	Christmas vacation ends at nine o'clock.
January 15th.	Matriculation examinations begin.
January 20th.	Matriculation examinations end.
January 21st.	Half-yearly collegiate examinations begin.
January 31st.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 2nd.	Vacation.
February 3rd.	Vacation.
February 4th.	The work of the second semester begins at a quarter to nine o'clock.
February 5th.	Examinations for advanced standing begin.
February 26th.	Examinations for advanced standing end.
March 16th.	Mid-semester examination in matriculation Greek.
March 19th.	Announcement of European Fellowships.
March 20th.	Senior examination in French.
March 22nd.	Collegiate and matriculation condition examinations begin.

March 27th.	Senior examination in German.
March 30th.	Collegiate and matriculation condition examinations end.
March 31st.	Easter vacation begins at one o'clock.
April 8th.	Easter vacation ends at nine o'clock.
May 8th.	Senior examinations in French and German.
May 18th.	Vacation.
May 19th.	Collegiate examinations begin.
May 27th.	Matriculation examinations begin.
May 29th.	Collegiate examinations end.
June 2nd.	Matriculation examinations end.
June 3rd.	Conferring of degrees and close of thirty-fifth academic year.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1917-18.

President,

M. CAREY THOMAS, PH.D., LL.D.

Office: Taylor Hall.

Dean of the College,

HELEN HERRON TAFT, A.M.

Office: Taylor Hall.

Recording Dean and Assistant to the President,

ISABEL MADDISON, B.Sc., PH.D.

Office: Taylor Hall.

Secretary and Registrar of the College,

EDITH ORLADY, A.B. Office: Taylor Hall.

Recording Secretary,

ABIGAIL CAMP DIMON, A.M. Office: Taylor Hall.

Wardens of the Halls of Residence,

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

MARY FRANCES NEARING, A.B., Rockefeller Hall.

BERTHA SOPHIE EHLERS, A.B., Denbigh Hall.

ALICE MARTIN HAWKINS, A.B., Merion Hall.

LETITIA BUTLER WINDLE, A.B., Radnor Hall.

Comptroller,

SANDY LEE HURST. Office: Taylor Hall.

Business Manager,

LOUISE WATSON, A.B. Office: Taylor Hall.

Assistant Business Manager,

HELEN SOPHIA LAUTZ, A.B. Office: Taylor Hall.

Junior Bursar,

HARRIET JEAN CRAWFORD, A.B. Office: Cartref.

Librarian,

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

Director of Athletics and Gymnastics and Supervisor of Health Department,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician-in-Chief,*THOMAS F. BRANSON, M.D. Office hours, 8.30 to 9.30 and 2 to 3 daily,
Rosemont, Pa.*Assistant Resident Physician,*M. LEOLA CARRICO, M.D., 1905 Infirmary, Bryn Mawr; Office hours,
The Infirmary, Bryn Mawr College, 8 to 9 a. m., 4 to 5.30 p. m.,
daily except Saturday and Sunday.*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1408 Spruce Street,
Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1917-18.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

HELEN HERRON TAFT, A.M., *Dean of the College.*

A.B., Bryn Mawr College, 1915; A.M., Yale University, 1916. Graduate Student, Yale University, 1915-17.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., LL.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891. Director of the American School of Oriental Study and Research in Palestine, 1902-03; LL.D., Haverford College, 1914.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology and Education.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-94; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, PH.D., *Alumnæ Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

HENRY NEVILL SANDERS, PH.D., *Alumnæ Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, PH.D., *Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY, A.B., *Mary E. Garrett Memorial Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

KARL DETLEV JESSEN, PH.D., *Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901. University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, PH.D., *Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903. Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04; Visiting Professor, American Academy in Rome, 1916-17.

DAVID HILT TENNENT, PH.D., *Professor of Biology.*

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

JAMES BARNES, PH.D., *Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06; Resident Fellow, University of Manchester, 1915.

THEODORE DE LEO DE LAGUNA, PH.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION PARRIS SMITH, PH.D., *Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

CLARENCE ERROL FERREE, PH.D., *Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

AGATHE LASCH,* PH.D., *Associate Professor of Teutonic Philology.*

Berlin, Germany. Ph.D., University of Heidelberg, 1909. Student, University of Halle, 1906-07; University of Heidelberg, 1907-10. State Examination *pro facultate docendi*, Karlsruhe, 1910.

GRACE MEAD ANDRUS DE LAGUNA, PH.D., *Associate Professor of Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, PH.D., *Associate Professor of English Composition.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

* Granted leave of absence for the duration of the war.

EDITH ORLADY, A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary and Appointment Secretary, 1910-12.

JAMES FULTON FERGUSON, PH.D., *Associate Professor of Ancient History and Latin.*

A.B., Monmouth College, 1903; A.B., Yale University, 1906, A.M., 1907, and Ph.D., 1912. Fellow, Yale University, 1906-09; Instructor in Williams College, 1909-10; Instructor in Greek and Latin, Yale College, 1910-12.

ROGER FREDERIC BRUNEL, PH.D., *Professor of Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, PH.D., *Phebe Anna Thorne Professor of Education and Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

GERTRUDE RAND, PH.D., *Associate in Experimental and Applied Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, PH.D., *Associate Professor of French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12.

SAMUEL CLAGGETT CHEW, PH.D., *Associate Professor of English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

JEAN BAPTISTE BECK, PH.D., *Associate Professor of Mediæval French Literature.*

Guebwiller, Alsace. Baccalaureate in Rhetoric, Sorbonne, 1900; Baccalaureate in Philosophy, Sorbonne, 1901; Ph.D., University of Strassburg, 1907; State Examination *pro facultate docendi*, 1908. Professor of Latin and German in the Ecole Alsacienne, Paris, 1909; Director of Advanced Courses for Teachers in Gymnasias, University of Vienna, 1910; Professor of French Literature, Wiener Handels-Akademie, 1910; Assistant Professor of Romance Languages, University of Illinois, 1911-14; Instructor in Romance Languages and Literatures, University of Chicago, Summer Quarter, 1912.

SUSAN MYRA KINGSBURY, PH.D., *Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate, and Professor in Economics, Simmons College and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

GEORGINA GODDARD KING, A.M., *Professor of the History of Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

RHYS CARPENTER,* PH.D., Associate Professor (Professor elect) of Classical Archaeology.

A.B., Columbia University, 1909, and Ph.D., 1916; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13.

CHARLES GHEQUIERE FENWICK, PH.D., Associate Professor (Professor elect) of Political Science.

A.B., Loyola College, 1907; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

HOWARD LEVI GRAY, PH.D., Professor of History.

A.B., University of Rochester, 1897; A.B., Harvard University, 1898, A.M., 1900, and Ph.D., 1907. Instructor in History, Harvard University, 1909-13, and Assistant Professor of History, 1914-15.

JAMES LLEWELLYN CRENSHAW,* PH.D., Associate in Physical Chemistry.

A.B., Centre College, 1907, and A.M., 1908; Ph.D., Princeton University, 1911. Assistant Chemist in the Geo-Physical Laboratory of the Carnegie Institution, Washington, D. C., 1910-15.

HOWARD JAMES SAVAGE,* PH.D., Associate Professor of Rhetoric and Director of the Work in English Composition.

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13, and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09; 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915.

OLIVE CLIO HAZLETT, PH.D., Associate in Mathematics.

A.B., Radcliffe College, 1912; S.M., University of Chicago, 1913, and Ph.D., 1915. Fellow in Mathematics, University of Chicago, 1913-15; Holder of the Fellowship of the Boston Branch of the Association of Collegiate Alumnae, 1914-15; Alice Freeman Palmer Fellow (elect) of the Association of Collegiate Alumnae, 1915-17; Alice Freeman Palmer Fellow of Wellesley College, 1915-16, and Fellow (elect) 1916-17.

CHARLES DOMINIQUE VATAR, LICENCIÉ-ÈS-LETTRES, Associate in French.

Rennes, France. Bachelier-ès-lettres et ès-sciences, University of Rennes, 1910, and Licencié-ès-Lettres, 1914. University of Lille, 1911-13; University of Rennes, 1913-15; University of London, 1915-16.

HOWARD ROLLIN PATCH, PH.D., Associate in English Philology.

A.B., Hobart College, 1910; A.M., Harvard University, 1912, and Ph.D., 1915. Assistant in English, Harvard University, 1912-13; John Harvard Fellow, 1912-15; Instructor in English, Harvard University and Radcliffe College, 1915-16.

ETHEL E. SABIN, PH.D., Associate in Philosophy.

A.B., University of Wisconsin, 1908, and A.M., 1914; Ph.D., University of Illinois, 1916. Graduate Scholar, University of Wisconsin, 1913-14; Fellow, University of Illinois, 1914-16; Assistant in English, University of Illinois, 1916-17.

ADA HART ARLITT, PH.D., Associate in Educational Psychology.

A.B., H. Sophie Newcomb Memorial College of Tulane University, 1913; Ph.D., University of Chicago, 1917. Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14; Fellow in Psychology, University of Chicago, 1914-16; Fellow in Sprague Institute, 1916-17.

FLORENCE PEEBLES, PH.D., Associate Professor of Physiology.

A.B., Woman's College of Baltimore, 1895; Ph.D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-11; Holder of the Mary E. Garrett European Fellowship, Scholar of the Woman's Table, and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Student, University of Bonn, summer, 1906; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-11, 1913-15; Holder of American Woman's Table in Zoological Station, Naples, spring, 1907; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10; Private Tutor, 1907-12, 1913-15; Fellow of the Association of Collegiate Alumnae,

* Granted leave of absence for Military Service for 1917-19.

Boston Branch, and Student and Research Worker, Germany and France, 1912-13; Lecturer in Biology, Bryn Mawr College, as substitute for Professor of Biology, Oct. to Dec. 1913; Professor of Biology and Head of Department, H. Sophie Newcomb Memorial College, Tulane University, 1915-17.

JOSEPH CLARK HOPPIN, PH.D., *Professor of Classical Archaeology.*

A.B., Harvard University, 1893; Ph.D., University of Munich, 1896. American School of Classical Studies, Athens, Winter Semester, 1893-94, 1895-96; University of Berlin, Summer Semester, 1893-94; University of Munich, 1894-95; Summer Semester, 1895-96; American School of Classical Studies, Athens, 1896-97, Lecturer on Greek Vases, 1897-98, and Professor of Greek Language and Literature, 1904-05; Instructor in Greek Art, Wellesley College, 1898-99. Associate in Classical Art and Archaeology, Bryn Mawr College, 1899-1901, and Associate Professor, 1901-04. *Replacing Dr. Rhys Carpenter absent on War Service.*

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902.

EDWARD HENRY SEHRT, PH.D., *Lecturer in Teutonic Philology.*

A.B., Johns Hopkins University, 1911, and Ph.D., 1915. Fellow, Johns Hopkins University, 1912-13, and Fellow by Courtesy, 1914-15; Student, University of Leipsic, 1913-14; Instructor in Modern Languages, Delaware College, 1915-16. *Replacing Dr. Agathe Lasch.*

GERARD VAN ROSSEN HOOGENDIJK, PH.D., *Lecturer in Physical Chemistry.*

s' Heerenberg, The Netherlands. Agr. Eng., National Agricultural College, Wageningen, The Netherlands; A.M., Ph.D., University of Göttingen, 1910. Instructor in Chemistry, University of Colorado, 1910-12; University of Berlin, 1913-14; Instructor in Physical Chemistry, University of Illinois, 1915-17. *Replacing Dr. James Llewellyn Crenshaw, absent on War Service.*

MARY HAMILTON SWINDLER, PH.D., *Instructor in Latin and Classical Archaeology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, and in Miss Wright's School, Bryn Mawr, 1911-12.

ESTHER CLOUDMAN DUNN, A.B., *Instructor in English Composition and Acting Director of First and Second Year English Composition.*

A.B., Cornell University, 1913. *Replacing Dr. Howard James Savage absent on War Service.*

ELLEN ELIZABETH HILL, B.L., *Instructor in English Composition.*

B.L., Smith College, 1891.

ANGIE LILLIAN KELLOGG, A.M., *Instructor in Social Economy and Social Research.*

A.B., Vassar College, 1903, and A.M., 1904. Resident Fellow, Vassar College, 1903-04; Teacher of English, Schenectady High School, N. Y., 1904-10; Law Student, 1910-11; Fellow in Philosophy, Bryn Mawr College, 1911-13, and Graduate Scholar and Fellow by Courtesy, 1913-14; Holder of Mary Richardson and Lydia Pratt Babbott Fellowship of Vassar College, 1913-14; awarded A. C. A. European Fellowship for 1914-15; Probation Officer for Girls in Watertown, N. Y., Agent for S. P. C. C. Society of Jefferson Co., N. Y., and Superintendent of Bureau of Charities, Watertown, N. Y., summer of 1912; Officer at Bedford Reformatory, N. Y., summer of 1913; Jefferson County Agent for Dependent and Delinquent Children, 1914-16; Research Field Worker for the New York School of Philanthropy, January to May, 1916.

EMILY GIFFORD NOYES, A.B., *Instructor in English Composition.*

A.B., Bryn Mawr College, 1915. Student in the School of Journalism, Columbia University, 1915-16, and Graduate Student in English, 1916-17.

HELEN MCGREGOR NOYES, A.B., *Instructor in English Composition.*

A.B., Radcliffe College, 1915. Teacher in Dana Hall, Wellesley, Mass., 1916-17.

FRANK JAMES WRIGHT, A.M., *Instructor in Geology.*

A.B., Bridgewater College, 1908; A.M., University of Virginia, 1911. Graduate Student, University of Virginia, 1908-09, 1910-11, 1913-14; Columbia University, Summer

Sessions, 1913-1916; University Scholar in Physiography, Columbia University, 1916-17. Professor of Geology, Bridgewater College, 1911-16; Field Assistant, Virginia Geological Survey, 1912-14, and Assistant in Geology, 1915-17.

CLARA E. MORTENSON, M.S., *Instructor in Labour, Economics, and Politics.*

B.S., University of California, 1915 and M.S., 1916. Assistant Investigator of the Industrial Relations Commission, 1914-15; Assistant in Economics, University of California, 1915-17.

ANNABELLA ELLIOTT RICHARDS, Ph.D., *Instructor in Biochemistry.*

A.B., Bryn Mawr College, 1907, Ph.D., Johns Hopkins University, 1914. Scholar in Chemistry, Bryn Mawr College, 1908-09, and Graduate Student, 1909-11, 1916-17. Teacher of Physiology in the Girls' High School, Philadelphia, 1910-11; Assistant in Chemistry, Barnard College, 1911-12; Graduate Student in Chemistry, Johns Hopkins University, 1912-13; Chemical Assistant in Medicine, Johns Hopkins University, 1914-15; Demonstrator in Chemistry and Assistant in Clinical Pathology, Woman's Medical College of Pennsylvania, 1915-17.

SUSAN FARLEY NICHOLS, A.B., *Instructor in English Composition.*

A.B., Bryn Mawr College, 1915. Graduate Student in English, Columbia University, 1916-17.

CORNELIA THROOP GEER, A.B., *Instructor in English Composition.*

A.B., Barnard College, 1917.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98; Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899-1918.

EVA ALICE WORRALL BRYNE, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1916, and A.M., 1917. Graduate Scholar in Latin, Bryn Mawr College, 1916-17.

JEANNE CHÉRON, LICENCIÉE-ÈS-LETTRES, *Reader in French.*

Paris, France. Licenciée-ès-Lettres, University of Paris, 1903. Instructor in French, Wellesley College, 1909-11; Teacher in Miss Chamberlayne's School, Boston, 1911-15, and in Madame Rieffel's School, Rosemont, Pa., 1915-16.

MARIAN CLEMENTINE KLEPS, A.B., *Reader in Mathematics.*

A.B., and Bryn Mawr European Fellow, Bryn Mawr College, 1916. Assistant to the Recording Secretary, 1916-17.

CHRISTINE DE SARAuw, Ph.D., *Reader in German and Spanish.*

A.M., Columbia University, 1910, and Ph.D., University of Jena, 1915. Student in the Universities of Paris, Jena, and Zurich; Studied in Italy and Spain. Teacher in Preparatory Schools, 1902-06, 1910-13; Instructor in Spanish, Italian, and French, Vassar College, 1906-08, and in German, 1916-17.

ANNA CHRISTINE MCBRIDE, A.M., *Reader in Statistics and Secretary to the Carola Woerishoffer Department of Social Economy and Social Research.*

A.B. and B.S., University of Missouri, 1912, and A.M., 1913. Problem Reader in Mathematics, University of Missouri, 1910-13; Teacher of Mathematics in the Preparatory High School of the University of Missouri, 1911-12; Graduate Scholar in Mathematics, University of Missouri, 1912-13 and in Sociology, 1913-14; Graduate Student, Columbia University, 1914-16.

GRACE ALBERT, A.M., *Reader in History.*

A.B., Bryn Mawr College, 1897, and A.M., 1903. Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, 1899-1901, of History, 1905-06, and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-08; Graduate Scholar in History and Economics and Politics, 1902-03; Fellow in History and Student, University of London, engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04; Head of Department of History in the Misses Shipley's School, Bryn Mawr, 1906-15; Teacher of History in the Agnes Irwin School, Philadelphia, 1916-18.

EDITH HAMILTON LANMAN, A.M., *Demonstrator in Chemistry.*

A.B., Radcliffe College, 1914; A.M., University of California, 1915. Graduate Student, University of California, 1914-15.

SUE AVIS BLAKE, A.M., *Demonstrator in Physics.*

A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics, 1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.

AGNES RUTHERFORD RIDDELL, Ph.D., *Reader in Spanish and French.*

A.B., University of Toronto, 1896, with first class honours in Modern Languages; and A.M., 1897. Honours, Ontario Normal College, 1898. Ph.D., University of Chicago, 1916. Teacher of French and German, Oshawa High School, 1898-1901; Assistant Reader, Department of English, University of Toronto, 1902-11; Teacher of English, Branksome Hall, Toronto, 1904-05; Teacher of German, Latin and English, Westbourne School, Toronto, 1906-10, 1913-14; Graduate Student in Romance Languages, University of Chicago, January, 1912, to August, 1913; Fellow in Romance Languages, University of Chicago, 1914-15; Acting Head of Kelly Hall, University of Chicago, summers of 1913, 1914 and 1915; Professor of Romance Languages, College of Emporia, Emporia, Kansas, 1915-17; Dean of Women, College of Emporia, 1915-17.

ANNA SOPHIE ROGERS, Ph.D., *Demonstrator in Biology.*

A.B., University of Illinois, 1911; A.M., 1914, and Ph.D., 1917. Assistant Principal, The High School, La Moille, Ill., 1911-12; Teacher of Latin in the Township High School, Belleflower, Ill., 1912-13; Graduate Student, University of Illinois, 1913-14, Graduate Assistant in Psychology, 1914-16, and Assistant in Psychology, 1916-17.

MILDRED CLARK JACOBS, A.M., *Assistant Demonstrator in Psychology.*

A.B., Bryn Mawr College, 1916, and A.M., 1917. Carola Woerishoffer Graduate Scholar in Social Economy and Social Research, Bryn Mawr College, 1916-17.

ELIZABETH KLINE STARK, A.B., *Assistant Demonstrator in Psychology.*

A.B., Bryn Mawr College, 1916.

HELEN LATHROP, A.B., *Demonstrator in History of Art.*

A.B., Leland Stanford Jr. University, 1902. New York State Library School, 1905-06. Acting Reference Librarian, Leland Stanford Jr. University, 1907-08 and Reference Librarian, 1908-10; Chief of Document Department, Oakland Free Library, Oakland, Cal., 1912-13, 1915-17.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian.*

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-13.

HELEN COREY GEDDES, A.B., B.S., *Head Cataloguer.*

A.B., Radcliffe College, 1905; B.S., Simmons College, 1910. Library Assistant, University of Illinois, 1910-12.

MARY LOUISE TERRIEN, A.B., *Circulation and Reference Librarian.*

A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15.

MAY MORRIS, Ph.B., *Assistant to the Circulation and Reference Librarian.*

Ph.B., Dickinson College, 1909. Pratt Institute School of Library Science, 1917.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

MERCER WATSON, *Assistant to the Librarian.*

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics and Supervisor of Health Department.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

HELEN REED KIRK, A.B., *Assistant Director of Athletics and Gymnastics*.
A.B., Bryn Mawr College, 1914. Teacher of Latin, History, and Athletics in the Holman School, Philadelphia, 1914-16.

JEANNE HAMMER, *Gymnasium Demonstrator*.

CAROL S. KEAY, *Gymnasium Demonstrator*.

ADMINISTRATIVE AND EXECUTIVE APPOINTMENTS.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English*.

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipzig, 1879-82; Ph.D., University of Zürich, 1882. Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

HELEN HERRON TAFT, A.M., *Dean of the College*.

A.B., Bryn Mawr College, 1915; A.M., Yale University, 1916; Graduate Student, Yale University, 1915-17.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President*.

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

EDITH ORLADY, A.B., *Secretary and Registrar of the College*.

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary and Appointment Secretary, 1910-12.

ABIGAIL CAMP DIMON, A.M., *Recording Secretary*.

A.B., Bryn Mawr College, 1896, and A.M., 1899. Vice-Principal of the High School, Clinton, N. Y., 1896-97; Assistant Teacher of English in the Utica Academy, 1897-98; Graduate Student, Bryn Mawr College, 1898-99; Tutor, 1900-01; Graduate Student and Warden of Radnor Hall, Bryn Mawr College, 1901-04; Teacher of Science in the Balliol School, Utica, 1904-05, and of Science and Mathematics, 1905-08; Teacher in the New School, Utica, 1908-09; Demonstrator in Biology, Bryn Mawr College, 1911, and Reader in Biology, 1911-12; Acting Secretary and Registrar, 1916-17.

SANDY LEE HURST, *Comptroller*.

LOUISE WATSON, A.B., *Business Manager*.

A.B., Bryn Mawr College, 1912. Teacher in Marshall College, Huntington, W. Va., 1913-14.

HELEN SOPHIA LAUTZ, A.B., *Assistant Business Manager*.

A.B., Bryn Mawr College, 1912. Teacher in Friends' Academy, Moorestown, N. J., 1912-16.

JOHN J. FOLEY, *Superintendent of Mechanical Equipment*.

GEORGE C. CHANDLER, *Superintendent of Buildings and Grounds*.

HALLS OF RESIDENCE.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall and Director of Wardens*.

A.B., Bryn Mawr College, 1889.

MARY FRANCES NEARING, A.B., *Warden of Rockefeller Hall*.

A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14.

BERTHA SOPHIE EHLERS, A.B., *Warden of Denbigh Hall.*

A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13.

ALICE MARTIN HAWKINS, A.B., *Warden of Merion Hall.*

A.B., Bryn Mawr College, 1907. Teacher in Miss Robins's School, Philadelphia, 1907-08, and in the Friends' School, Germantown, 1908-09.

LETITIA BUTLER WINDLE, A.B., *Warden of Radnor Hall.*

A.B., Bryn Mawr College, 1907. Secretary and Teacher of Mathematics in the Wykeham Rise School, Washington, Conn., 1907-08; Assistant Agent of the Federated Charities of Baltimore, Md., 1908-09; Teacher of Mathematics in the Stevens School, Germantown, Philadelphia, 1909-15, and in the Gordon-Roney School, Philadelphia, 1915-16.

HARRIET JEAN CRAWFORD, A.B., *Junior Bursar.*

A.B., Bryn Mawr College, 1902. Chairman of Sectional School Board, 35th Ward, Philadelphia, 1910-16; Warden of Rockefeller Hall, Bryn Mawr College, 1907-11.

STUDENTS.

Fellows, Scholars and Graduate Students for the Year 1917-18.

THALIA HOWARD SMITH DOLE† *Bryn Mawr European Fellow.**
New York City. Prepared by the Hawthorne School, New York City. First Bryn Mawr Matriculation Scholar for New York, New Jersey and Delaware, 1912-13; James E. Rhoads Sophomore Scholar, 1914-15; James E. Rhoads Junior Scholar, 1915-16; Maria L. Eastman Brooke Hall Memorial Scholar, 1916-17. A.B., Bryn Mawr College, 1917. Secretary to the President, Bryn Mawr College, 1917-18.

BIRD MARGARET TURNER, *President's European Fellow.**
Moundsville, W. Va. A.B., West Virginia University, 1915, and A.M., 1916. Student Assistant in Mathematics, University of West Virginia, 1913-15; Graduate Student in Mathematics, University of West Virginia, 1914-15; and Assistant in the Summer School, 1914 and 1915; Principal of the High School, Moundsville, 1915-16; Graduate Scholar in Mathematics, Bryn Mawr College, 1916-17; Assistant Director of the Phebe Anna Thorne Model School, 1917-18.

HAZEL GRANT ORMSBEE, *Mary E. Garrett European Fellow.**
Ithaca, N. Y. A.B., Cornell University, 1915. Carola Woerishoffer Scholar in Social Economy and Social Research, Bryn Mawr College, 1915-16, and Fellow, 1916-17.

LUCY REED POWELL, *Fellow in Greek.*
Seattle, Wash. A.B., Barnard College, 1913, and A.M., Columbia University, 1914. Teacher of History and Latin in the Annie Wright Seminary, Tacoma, Wash., 1914-17.

LOUISE ELIZABETH WHETENHALL ADAMS, *Fellow in Latin.*
Brooklyn, N. Y. A.B., Barnard College, 1914, and A.M., 1915. Graduate Student, Columbia University, 1914-15; Graduate Scholar in Greek, Bryn Mawr College, 1915-16; Special European Fellow of Bryn Mawr College and Student in the American Academy in Rome, 1916-17.

ESTHER CLOUDMAN DUNN, *Fellow in English.**
South Portland, Me. A.B., Cornell University, 1913. Lecturer in English, Maine State Summer School, 1914; Reader in English, Bryn Mawr College, 1914-16, Instructor in English, 1916-17, and Instructor in English Composition and Acting Director of the work in First and Second Year English Composition, 1917-18.

OLGA MARX, *Fellow in German.*
New York City. A.B., Barnard College, 1915, and A.M., Columbia University, 1917. Graduate Student, Columbia University, 1916-17.

BEATRICE ALLARD, *Fellow in Semitic Languages.*
Boston, Mass. A.B., Mount Holyoke College, 1915. Graduate Scholar in Semitic Languages and Biblical Literature, Bryn Mawr College, 1915-16, and Fellow in Semitic Languages, 1916-17.

MARGARET WOODBURY, *Fellow in History.*
Columbus, O. A.B., Ohio State University, 1915. Graduate Scholar in History, Bryn Mawr College, 1915-16, and Fellow in History, 1916-17.

HELEN ADAIR, *Fellow in Economics and Politics.*
Kearney, Neb. A.B., Barnard College, 1914, and A.M., Columbia University, 1916.

AGNES MARY HADDEN BYRNES,
Carola Woerishoffer Fellow in Social Economy and Social Research.
Evanston, Ill. A.B., Northwestern University, 1915; A.M., Columbia University, 1916. Susan B. Anthony Memorial Scholar in Bryn Mawr College, 1916-17.

* Fellowship deferred.

† Mrs. Harold Sanford Dole.

GEORGIA LOUISE BAXTER,

Carola Woerishoffer Fellow in Social Economy and Social Research.

Berkeley, Cal. A.B., University of Denver, 1914; A.M., University of California, 1917. Matron, Colorado State Industrial School for Girls, 1914-15; Work in Juvenile Court in San Francisco and with State Industrial Welfare Industrial Accident Commission, 1915-17.

EDITH FRISBIE,.....*Fellow in Philosophy.*

Berkeley, Cal. B.L., University of California, 1914. Graduate Student, University of California, 1915-17. Substitute Playground Supervisor, Oakland Recreation Department, 1916-17; Supervisor of City Hall Playground, Berkeley, Jan. to June, 1916.

MARY RUTH ALMACK,.....*Fellow in Psychology.*

Coshocton, O. A.B., Ohio State University, 1915, and A.M., 1916. Fellow in Psychology, Bryn Mawr College, 1916-17.

NELLIE BOYD DRAKE,.....*Fellow in Education.*

Broken Bow, Neb. A.B., University of Nebraska, 1911, and A.M., 1914. University of Chicago, summer quarters 1915 and 1916. Assistant Principal of High School, 1911-12. Professor of Philosophy and Education, Buena Vista College, Storm Lake, Ia., 1914-17.

JANET MALCOLM MACDONALD,.....*Fellow in Archæology.*

Fort Dodge, Ia. A.B., Morningside College, 1910; A.M., University of Illinois, 1913. Graduate Scholar in Archæology, Bryn Mawr College, 1915-17. Assistant Principal in the High School, Aurelia, Ia., 1911-12; and Instructor in Latin, Morningside College, 1913-15.

ELSIE TOBIN,.....*Fellow in Chemistry.*

Brooklyn, N. Y. B.S., Barnard College, 1915. Graduate Scholar in Chemistry, Bryn Mawr College, 1915-17.

ELEANOR MARY LORENZ,.....*Fellow in Geology.*

Cincinnati, O. A.B., University of Cincinnati, 1913. Graduate Student, University of Cincinnati, 1913-17. Teacher in the Public Schools of Cincinnati, 1913-17.

DOROTHY AUSTIN SEWELL,.....*Fellow in Biology.*

Walton, N. Y. A.B., Smith College, 1916. Cornell University, 1916-17.

HELEN MARIE HARRIS,

Bryn Mawr Intercollegiate Community Service Association Fellow.

Willow Grove, Pa. A.B., Bryn Mawr College, 1917.

MABEL VAUGHAN KITSON,.....*British Scholar.*

Wakefield, England. Newnham College, Cambridge, 1913-16; Mediæval and Modern Languages Tripos, 1916. British Scholar, Bryn Mawr College, 1916-17.

MARGARET RUSSELL CLARKE,.....*British Scholar.**

Birmingham, England. Girton College, Cambridge, 1914-17. Classical Tripos, 1917.

ELLEN MARY SANDERS,.....*British Scholar.*

Cheltenham, England. B.A., University of London; B.A., University of Bristol; *Docteur en Géographie Physique* of the University of Paris, 1914. Teacher of Geography in Cheltenham Ladies College, 1914-17.

FRANCESCA HELEN STEAD,.....*British Scholar.**

London, England. Newham College, Cambridge, 1914-17. Economics Tripos, Part 1, Class 1, 1916; Part 2, 1917.

MARGUERITE MURIEL CULPEPPER POLLARD,.....*British Scholar.**

Oxford, England. Honour School of English Literature and Language, Oxford University, 1907. Diploma in Education, 1907. Graduate Student, University of Oxford, 1915-17; University of Lausanne and Geneva, 1913; Cornell University, summer, 1914.

MARIE SCHOELL,.....*French Scholar.*

Chartres, France. Holder of the Certificat d'aptitude à l'enseignement de l'anglais, 1914, Sorbonne, 1913-14; University of Bordeaux, 1916-17. Diplôme d'études supérieures, 1916-17. Teacher in the Brioude School, 1915-16.

* Scholarship deferred.

JULIETTE PADÉ,.....*French Scholar.*
Besançon, France. Student in the Lycée de Besançon, 1914-15. Teacher in the Bryn-Julas School, Llandulas, North Wales, 1913-14, and in the High School, Bournemouth, England, 1915-16; Student, University of Paris, 1916-17.

MADELEINE SARAH TITAU POURÉSY,.....*French Scholar.*
Bordeaux, France. Student in the University of Bordeaux, 1912-17. Licenciée-ès-lettres, University of Bordeaux, 1913; Diplôme d'études supérieures in History, 1914, in English, 1917.

MADELEINE CHARLOTTE FABIN,.....*French Scholar.*
Bordeaux, France. Student, The Sorbonne, 1911-12; University of Bordeaux, 1916, 1916-17. Certificat d'aptitude à l'enseignement de l'anglais, 1916; Diplôme d'études supérieures d'anglais, 1917. Senior French Mistress, Girl's Collegiate School, Leicester, England, 1914-15; Professor of English, Lycée de Garçons de Rochefort, 1916-17.

ALINE CHALUFOUR,.....*French Scholar.*
Boulogne-sur-Seine, France. Student in the University of Paris and at the Sorbonne, Paris, 1916-17; Student of the Lycée Molière, 1910-16; Bachelière in Latin and Philosophy, 1916.

ELIZABETH DARLINGTON ADAMS,.....*English.*
New London, Conn. A.B., Vassar College, 1915. Graduate Scholar in English, 1915-16; Instructor in English and Athletics, The Harcum School, Bryn Mawr, Pa., 1916-18.

MARY MARTHA BAUSCH,.....*Scholar in German.*
Everett, Pa. A.B., Pennsylvania College, 1911. Teacher in the Hollidaysburg School, Hollidaysburg, Pa., 1911-13; Assistant Principal, the High School, Bedford, Pa., 1913-17.

ENID ROSE BELL,.....*Economics.*
Jacksonville, O. A.B., Ohio University, 1916. Cornell University, 1915-16, Semester I, 1916-17. Stenographer to the President, Bryn Mawr College, 1917.

SUE AVIS BLAKE,.....*Physics.*
Merion, Pa. A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, 1904-06, 1915-17; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, Bryn Mawr College, 1906-07; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.

ELLIDA JULIE BREIDABLIK,.....*German and History of Art.*
Madison, Wis. A.B., University of Wisconsin, 1916. Teacher of Norse in the High School, Madison, 1915-16, and of English and Norse in the High School, Stoughton, Wis., 1916-17.

EVA ALICE WORRALL BRYNE,.....*Scholar in English.*
Philadelphia. A.B., Bryn Mawr College, 1916, and A.M., 1917. Prepared by the Girls' High School, Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1912-16; James E. Rhoads Sophomore Scholar, 1913-14; James E. Rhoads Junior Scholar, 1914-15; Anna M. Powers Memorial Scholar, 1915-16; Graduate Scholar in Latin, Bryn Mawr College, 1916-17.

CLARE WILHELMINA BUTLER,
Robert G. Valentine Scholar in Social Economy and Social Research.
St. Louis, Mo. A.B., Vassar College, 1909. Teacher of Mathematics and Science in Lindenwood College, St. Charles, Mo., 1909-10; Medical Social Work, Massachusetts Charitable Eye and Ear Infirmary, Boston, 1916-17.

MARY HENDRICKS CHAMBERS,.....*Biology.*
Eugene, Ore. A.B., University of Oregon, 1917.

JEANNE CHÉRON,.....*English.*
Paris, France. Licenciée-ès-lettres, University of Paris, 1908. Instructor in French, Wellesley College, 1909-11; Teacher in Miss Chamberlayne's School, Boston, 1911-15, and in Madame Rieffel's School, Rosemont, Pa., 1915-16; Teacher of French in the Phebe Anna Thorne Model School, 1916-18.

ALICE SQUIRES CHEYNEY,.....*Scholar in Social Economy and Social Research.*
Philadelphia. A.B., Vassar College, 1909. Philadelphia Training Course for Social Workers, 1909-10; Graduate Student, University of Pennsylvania, 1910-11; Bryn

- Mawr College, 1915-16; University of Wisconsin, 1916-17; Agent of Philadelphia Children's Bureau, 1909-11; Investigator for Philadelphia Consumers' League, 1910-11; Investigator for Massachusetts Commission on Minimum Wage Boards, 1910-11; New York State Factory Investigating Commission, 1913-14.
- OLIVE KELLEY CRAIG,***.....*French.*
Radnor, Pa. A.B., Bryn Mawr College, 1909.
- MARIANNA DICKINSON,**.....*Earlham College Scholar.*
Boonville, Mo. A.B., Earlham College, 1917.
- GENEVA HOLLIDAY DRINKWATER,**.....*Scholar in Latin.*
Charleston, Mo. A.B. and B.S. in Education, University of Missouri, 1917.
- BERTHA SOPHIE EHLERS,**.....*Archæology.*
Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of German in the Agnes Irwin School, Philadelphia, 1910-14; Reader in Elementary German, Bryn Mawr College, 1912-13; Warden of Radnor Hall, 1913-17, and of Denbigh Hall, 1917-18.
- LEAH HANNAH FEDER,**...*Scholar in Social Economy and Social Research.*
Passaic, N. J. A.B., Mount Holyoke College, 1917.
- MARY DRUSILLA FLATHER,**.....*Biology.*
Lowell, Mass. Ph.B., Women's College in Brown University, 1917. Laboratory Assistant in Comparative Anatomy, Brown University, 1916-17.
- ALICE DARC FRANKLIN,**.....*Scholar in History of Art.*
New York City. A.B., Barnard College, 1916. Graduate Scholar in History of Art, 1916-17.
- LEONA CHRISTINE GABEL,**.....*Scholar in History.*
Syracuse, N. Y. A.B., Syracuse University, 1915. Columbia University, Summer session, 1916. Teacher in the High School, Canastota, N. Y., 1915-17.
- WINIFRED GOODALL,**.....*Scholar in English Composition.*
Cincinnati, O. A.B., Bryn Mawr College, 1914; A.M., Columbia University, 1917. Teacher of English and History in Miss Kendrick's School, Cincinnati, 1915-16.
- BERTHA CLARK GREENOUGH,**.....*Scholar in Economics and Politics.*
Providence, R. I. A.B., Bryn Mawr College, 1917.
- MARION REBECCA HALLE,**.....*English.*
Cleveland, O. A.B., Bryn Mawr College, 1917.
- ANNE BERYL GRIFFIN HART,**.....*Scholar in English.*
Iowa City, Ia. A.B., University of Iowa, 1911, and A.M., 1913. Fellow in English, University of Iowa, 1912-13, and Instructor in English, 1913-17.
- ISTAR ALIDA HAUPT,**.....*Scholar in Psychology.*
Roland Park, Md. A.B., Bryn Mawr College, 1917.
- GRACE ETHEL HAWK,**.....*Scholar in English.*
Reading, Pa. A.B., Brown University, 1917, and holder of the Annie Crosby Emery Scholarship of Brown University, 1917-18.
- ALICE MARTIN HAWKINS,**.....*Archæology.*
Philadelphia. A.B., Bryn Mawr College, 1907. Teacher in Miss Robins's School, Mt. Airy, Philadelphia, 1907-08, and in the Friends' School, Germantown, Philadelphia, 1908-09; Warden of Merion Hall, Bryn Mawr College, 1916-18.
- HELEN RUTH HIBBARD,**
Carola Woerishoffer Scholar in Social Economy and Social Research.
East Lansing, Mich. A.B., Wellesley College, 1894, and A.M., 1916. Teacher in Miss Williams's School, Worcester, Mass., 1894-95, in Monson Academy, Monson, Mass., 1895-99, in the Hillside School, Norwalk, Conn., 1900-01; Graduate Student, Wellesley College, 1915-16.
- CATHERINE UTLEY HILL,†**.....*Social Economy and Social Research.*
Bridgeport, Conn. A.B., Bryn Mawr College, 1907. Social Worker, 1905-17.

* Mrs. George Craig Craig.

† Mrs. George Edwin Hill.

- ELIZABETH PINNEY HUNT,***.....*Politics.*
 Bryn Mawr, Pa. A.B., Bryn Mawr College, 1912. Student in Training School, Bureau of Municipal Research, New York City, 1912-13; Legislative Reference Assistant and General Investigator, Office of National Progressive Service, New York City and Boston, 1913-14; Volunteer Social Worker, 1916-17.
- FLORENCE CATHERINE IRISH,**.....*History.*
 Norristown, Pa. A.B., Bryn Mawr College, 1914, and A.M., 1916. Graduate Student, Bryn Mawr College, 1915-16.
- MILDRED CLARKE JACOBS,**
Carola Woerishoffer Scholar in Social Economy and Social Research.
 Philadelphia. A.B., Bryn Mawr College, 1916.
- SYLVIA CANFIELD JELLIFFE,**.....*Sanskrit, Romance Philology and Archæology.*
 New York City. A.B., Bryn Mawr College, 1917.
- MARIAN CLEMENTINE KLEPS,**.....*Mathematics.*
 A.B. and Bryn Mawr European Fellow, Bryn Mawr College, 1916. Assistant to the Recording Secretary, 1916-17; Reader in Mathematics, 1917-18.
- HELEN LATHROP,**.....*History of Art.*
 Oakland, Cal. A.B., Leland Stanford Jr. University, 1902. Reference Librarian, Leland Stanford Jr. University Library, 1907-10; Oakland Free Library, 1912-17.
- MARGARET KUHN LESTER,**.....*Education and Archæology.*
 Beaver Falls, Pa. B.S., Geneva College, 1907. Teacher of Latin and German, 1907-17.
- AMELIA KELLOGG MACMASTER,**.....*Scholar in Philosophy.*
 Elizabeth, N. J. A.B., Bryn Mawr College, February 1917; and Graduate Scholar in Philosophy and Special Scholar, second semester, 1916-17.
- MARGARET GEORGIANA MELVIN,**.....*Scholar in Philosophy.*
 New Brunswick, Canada. A.B., Royal Victoria College, McGill University, with honours in English and Philosophy, 1917.
- MARJORIE JOSEPHINE MILNE,**.....*Scholar in Greek.*
 Duluth, Minn. A.B., Bryn Mawr College, 1917.
- NORA MAY MOHLER,**.....*Scholar in Mathematics.*
 Carlisle, Pa. A.B., Dickinson College, 1917.
- MARY FRANCES NEARING,**.....*English and Geology.*
 Philadelphia. A.B., Bryn Mawr College, 1909. Teacher of English in St. Margaret's School, Waterbury, Conn., 1910-11; Secretary and Athletic Director, Miss Walker's School, Lakewood, N. J., 1911-13; Social Service Worker, Philadelphia, 1913-14; Warden of Rockefeller Hall and Graduate Student, Bryn Mawr College, 1914-17.
- INEZ MAY NETERER,**.....*Scholar in Social Economy and Social Research.*
 Seattle, Wash. A.B., Mills College, 1916. Graduate Scholar in Social Economy and Social Research, Bryn Mawr College, 1916-17.
- HAZEL GRANT ORMSBEE,**.....*Social Economy and Social Research.*
 Ithaca, N. Y. A.B., Cornell University, 1915. Carola Woerishoffer Scholar in Social Economy and Social Research, Bryn Mawr College, 1915-16, and Fellow, 1916-17.
- MARY ISABELLE O'SULLIVAN,**.....*Scholar in English Composition.*
 Philadelphia. A.B., Bryn Mawr College, 1907, New York State Library School, 1915-16. Private Tutor and Night Librarian, Drexel Institute, 1908-09; Indexer, Estate of Stephen Girard, Philadelphia, 1909-15; Cataloguer, New York Public Library, 1916-17.
- GLADYS LOUISE PALMER,**.....*Scholar in Social Economy and Social Research.*
 Philadelphia. A.B., Barnard College, 1917.
- HELEN ELIZABETH PATCH,**.....*Scholar in Romance Languages.*
 Bangor, Maine. A.B., Mount Holyoke College, 1914. Teacher in the East Maine Conference Seminary, 1914-16, and in the High School Bangor, 1916-17.

* Mrs. Andrew Dickson Hunt.

ELEANOR FERGUSON RAMBO,.....*Fellow by Courtesy in Archæology.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1908, A.M., 1909. Scholar in Greek, Bryn Mawr College, 1908-09; Graduate Student in Latin, 1909-10, and in Archæology, 1911-12, 1915-16, Scholar in Archæology, 1914-15, and Fellow, 1916-17; Teacher of Mathematics in the Misses Kirk's School, Bryn Mawr, 1909-10; Private Tutor, 1910-11; Teacher of Latin in Miss Wright's School, Bryn Mawr, and Private Tutor, 1911-16; Teacher of Latin and Greek in the Phebe Anna Thorne Model School, 1917-18.

HELEN ROSS,

Susan B. Anthony Memorial Scholar in Social Economy and Social Research.

Independence, Mo. A.B. and B.S., University of Missouri, 1911. Graduate Student, University of Missouri, 1916-17. Teacher of English in the High School, Independence, 1911-16, and in the High School, Columbia, Mo., 1916-17. Teacher and Supervisor, Evening School for Immigrants, Jewish Educational Institute, Kansas City, Mo., 1911-15.

RYU SATO,.....*Scholar in Chemistry.*

Tokyo, Japan. A.B., Bryn Mawr College, 1917.

MARY INA SHAMBURGER,.....*Guilford College Scholar.*

Star, N. C. A.B., Guilford College, 1917.

ISABEL F. SMITH,.....*Scholar in Geology.*

Los Angeles, Cal. A.B., Bryn Mawr College, 1915. Teacher in Miss Wheeler's School, Providence, R. I., 1915-17.

MARIA WILKINS SMITH,.....*Latin.*

St. Davids, Pa. A.B., Bryn Mawr College, 1906. Private Tutor, 1906-07, 1914-15; Principal of Class for Girls, Philadelphia, 1907-12; Business Manager, Bryn Mawr College, 1912-13; Accountant for Peacock Exchange, 1914; Teacher in the Baldwin School, 1914, and of Latin and Mathematics in the Shipley School, Bryn Mawr, 1915-18.

ELIZABETH KLINE STARK,.....*Psychology.*

Rochester, N. Y. A.B., Bryn Mawr College, 1916. Assistant Demonstrator in Experimental Psychology, 1916-18.

LINNIE J. STEDDOM,.....*Penn College Scholar.*

Oskaloosa, Ia. Ph.B., Penn College, 1917.

FRANCES HOWARD TETLOW,.....*Social Economy and Social Research.*

Brookline, Mass. A.B., Radcliffe College, 1908. Teacher of English Composition in the Winsor School, Boston, 1909-15; Graduate Student, Bryn Mawr College, 1915-16, University of Wisconsin, 1916-17.

AGNES CARR VAUGHAN,.....*Ph.D. Scholar and Fellow by Courtesy.*

Tampa, Fla. A.B., Galloway College, 1907; A.M., University of Michigan, 1910, and Ph.D., 1917. Fellow, University of Michigan, 1910-11, 1916-17; Teacher in Grade Schools, 1907-09; Associate in Greek and Latin, Hardin College, Mexico, Mo., 1911-15; Fellow in Greek, Bryn Mawr College, 1915-16.

AMEY EATON WATSON,*.....*Social Economy and Social Research.*

Haverford, Pa. A.B., Women's College in Brown University, 1907; A.M., University of Pennsylvania, 1910. Teacher in Miss Wheeler's School, Providence, R. I., 1907-08; Instructor in the Department of Social Science, University of Utah, 1912.

MILDRED MCCREARY WILLARD,.....*Scholar in Psychology.*

Merion, Pa. A.B., Bryn Mawr College, 1917.

LETITIA BUTLER WINDLE,.....*Education.*

West Chester, Pa. A.B., Bryn Mawr College, 1907. Secretary and Teacher of Mathematics, Wykeham Rise School, Washington, Conn., 1907-08; Assistant Agent, Federated Charities of Baltimore, 1908-09; Teacher of Mathematics in the Stevens School, Germantown, 1909-15, and in the Gordon-Roney School, Philadelphia, 1915-16.

MABEL PAULINE WOLFF,.....*Economics and Politics.*

Myerstown, Pa. A.B., Barnard College, 1905; A.M., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06; Allentown College for Women, 1906-07; Paulsboro High School, Gloucester City, N. J., 1907-11; Washington Seminary, Washington, Pa., 1911-14, Leominster High School, Leominster, Mass., 1915-16; Teacher in the Phebe Anna Thorne Model School, 1916-18.

* Mrs. Frank D. Watson.

SUMMARY OF FELLOWSHIPS AWARDED.

EUROPEAN FELLOWSHIPS.	Founded by	Date.	Number of Holders.
Bryn Mawr (for Senior Class)	The Trustees	1885	29
Mary E. Garrett (for second year graduates).....	Miss Garrett	1894	24
President M. Carey Thomas (for first year graduates).....	Miss Garrett	1896	22
Anna Ottendorfer Memorial Research Fellowship in Teutonic Philology.....	Mrs. Anna Woerishoffer	1907	6††
SPECIAL EUROPEAN FELLOWSHIPS.	Given by.		
Bryn Mawr Research.....	Anonymous Donor	1906	1
Special European.....	Anonymous Donor	1909	1
Special European.....	Anonymous Donor	1915	1
Special European.....	Anonymous Donor	1916	1
Total number of European Fellows, omitting duplicates.....			83

RESIDENT FELLOWSHIPS.	Founded by the Trustees in	Number of Holders.
In Greek.....	1885.....	28**††
In Latin.....	1892.....	25
In English.....	1885.....	29*§
In Teutonic Philology.....	1893.....	17††
In Romance Languages.....	1893.....	19§
In Semitic Languages.....	1912.....	3††
In History or Economics and Politics.....	1885.....	30††
In Economics and Politics.....	1912.....	6§
In Social Research.....	1915.....	4
In Philosophy or Psychology.....	1896.....	14§§
In Psychology.....	1915.....	2§
In Education.....	1917.....	1
In Archæology.....	1909.....	5§
In Mathematics.....	1885.....	25††
In Physics.....	1896.....	13
In Chemistry.....	1893.....	20††
In Geology.....	1912.....	5
In Biology.....	1885.....	24††
Research Fellowship in Chemistry.....	1907.....	3†
Helen Schaeffer Huff Research Fellowship in Physics or Chemistry, founded by an anonymous donor in 1913.....		3¶§
Total number of Resident Fellows, omitting duplicates.....		278
Total holders of Fellowships, omitting duplicates.....		320‡

* Two students have held Fellowships in English who also held Fellowships in other subjects.

† Two of these students previously held a Fellowship in Chemistry.

‡ Of these fifty-four have held both European and Resident Fellowships.

§ One student held this Fellowship for two years.

** One of these students previously held a Fellowship in Latin and one a Fellowship in English.

†† Two students held this Fellowship for two years.

‡‡ Three students held this Fellowship for two years.

§§ Four students held this Fellowship for two years.

¶ One of these students previously held a Fellowship in Chemistry.

BRYN MAWR COLLEGE.

GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, five miles from Philadelphia, was endowed by Dr. Joseph W. Taylor of Burlington, New Jersey, who purposed founding an institution of learning for the advanced education of women which should afford them "all the advantages of a college education that are so freely offered to young men." In the spring of 1885 the first program was issued, and the college opened for instruction in the following autumn.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately. No undergraduates are admitted to graduate courses.

Regulations of the Graduate Department.

From the first it has been the policy of the Trustees of Bryn Mawr College to organize no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years provides preparation in the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one or two years and offered as one of the two minor or secondary subjects.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing.* They may pursue any

* The certificates of the women's colleges of the English Universities of Oxford and Cambridge, are regarded as equivalent to a first degree,—i. e., to the degree of Bachelor of Arts.

courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses. They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs will be considered in the arrangement of new courses of lectures; they must consult the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiencies in this respect.

Fellowships and Scholarships.

The most distinguished place among the graduate students is held by the Fellows, who must reside in the college during the academic year. Seventeen resident fellowships, of the value of five hundred and twenty-five dollars each, are awarded annually in Greek, Latin, English, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Psychology, Archæology, Mathematics, Physics, Chemistry, Geology, and Biology, in Economics and Politics, named the Justus C. Strawbridge Fellowship, and two in Social Economy and Social Research, the Carola Woerishoffer Fellowships. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honour, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is

awarded, and to show, by the presentation of a thesis or in some other manner, that her studies have not been without result.

The Helen Schaeffer Huff Memorial Research Fellowship of the value of seven hundred and fifty dollars, founded in 1913, is awarded annually to a student pursuing advanced graduate work in either Physics or Chemistry, to be held during one year's work at Bryn Mawr College.

Applicants for this fellowship must be students who have done advanced graduate work at Bryn Mawr College or at other colleges or universities. They must have shown distinct ability in their work and at the time of application must have in outline or actually in hand some definite piece of research work. The holder of the fellowship must do her major work under the direction of the Department of Chemistry or of the Department of Physics. In awarding the fellowship the ability of the applicant to do the best kind of research work will be considered. Where equally good candidates are considered, preference will be given to a student working on problems which may be considered to lie along the borderline between Chemistry and Physics. The fellowship may under exceptional circumstances be awarded in consecutive years to the same student, or the fellowship may be given to a graduate student studying at Bryn Mawr College to be held during one year's work at some other American college or university if in the opinion of the Committee it is imperative for that student to go to some other college or university in order to complete an important piece of investigation.

All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of departmental libraries in the seminaries and in the halls of residence, but no such service may be required of them except by a written

request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other duties in addition to their college work. Fellows* are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary fee.

Twenty Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars* are expected to reside in the college, to attend all college functions, to wear academic dress, and to assist in the conduct of examinations.

One resident scholarship in English composition of the value of seven hundred and fifty dollars is offered in 1918-19 and in each succeeding year and in 1919-20 and each alternate year thereafter a second scholarship in English composition of the same value will be offered. These scholarships are open to graduates of Bryn Mawr College or of any college of good standing under the same conditions as the twenty graduate scholarships mentioned above.

A resident Intercollegiate Community Service Association and Bryn Mawr College joint fellowship† was established in 1915 and is offered by the Intercollegiate Community Service Association and by some alumnae of Bryn Mawr College to a Bryn Mawr College graduate who wishes to prepare herself for settlement work. The value of the fellowship is \$525, \$125 of which is given by the College to meet the tuition fee. The holder of the fellowship is required to live in the College Settlement in Philadelphia and to give her entire time to the work of the Department of Social Economy; she is also required to devote one-third of her time to a seminary which includes a practicum, carried on in the settlement. Applications may be

* It is expected that fellows and scholars of the college will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

† The term fellowship is used here because adopted by the Intercollegiate Community Service Association. The condition of one year's graduate study required of candidates for Bryn Mawr College resident fellowships does not apply.

sent either to Miss Florence Jackson, 264 Boylston Street, Boston, Mass., or to the President of Bryn Mawr College.

The Susan B. Anthony Memorial Scholarship in Social Economy and Social Research or in Politics, founded in 1910, of the value of four hundred and fifty dollars, is open to a candidate who wishes to devote herself to studies dealing with the position of women in industry and politics and who gives promise in her work of success in this field.

The Robert G. Valentine Memorial Scholarship in Social Economy and Social Research of the value of two hundred dollars is offered by Mrs. Frank W. Hallowell of Chestnut Hill, Massachusetts, to be awarded by the President and Faculty of Bryn Mawr College on the recommendation of the Director of the Carola Woerishoffer Department of Social Economy and Social Research to a candidate approved by the donor. It is open to graduates of Bryn Mawr College or of any other college of good standing.

Twelve graduate scholarships of the value of four hundred and five dollars each are offered, four for English, Scotch, or Irish women, three for French women, one for Swiss women and one for women from Scandinavia or the Netherlands and three to be given at large. They are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing. The amount of the scholarship, four hundred and five dollars, covers the fees for tuition, board, room-rent, including light, heat, and service, and infirmary care for the academic year. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence.*

Application for resident fellowships or scholarships should be made as early as possible to the President of the College,† and

* For the rates see page 35.

† Applications for the scholarships should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates, and by letters of recommendation from professors, and should be addressed to the President of Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A.

must be made not later than the first of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within about two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of seven hundred dollars applicable to the expenses of one year's study and residence at some German university is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German.

Two European fellowships, founded by the late Miss Mary E. Garrett, of Baltimore, are open to graduate students who are enrolled as candidates for the degree of Doctor of Philosophy. One, founded in 1896, and named by the donor the President M. Carey Thomas Fellowship, is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College; the other, founded in 1894, and known as the Mary E. Garrett Fellowship, is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. These fellowships, of the value of five hundred dollars each, are intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges, who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have worked as a graduate student at Bryn Mawr College for a full year* during which at least two-thirds of her time must have been devoted to advanced work in closely related lines according to a course of study approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee before the third week of October. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy for the degree to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has

* It is understood that the work done for the degree of Master of Arts does not necessarily count as a full year towards the degree of Doctor of Philosophy and Master of Arts.

been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

REQUIREMENTS.

1. *Time*.—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence*.—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

3. *Subjects*.—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorized in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses*.—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university, the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognized by the Graduate Committee as seminars;* in the independent minor she shall take for one year two seminars, or graduate courses recognized as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the

* A course will not be regarded as equivalent to a seminary unless it requires about a third of the student's time.

case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminaries in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminaries and one journal club for at least two years must be taken before the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation*.—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita), of which two must be bound in a specified manner, must then be supplied to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations*.—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

Registration.—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit* to the Graduate Committee in writing an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

Expenses.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, plus an emergency fee of one hundred dollars charged to all students except holders of fellowships and scholarships and students taking less than eight hours a week of lectures, payable in advance. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty

* Using the application blank issued by the Graduate Committee.

dollars a semester.* This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee will be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

* The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on pages 33 to 34 are charged in addition to the charge for tuition.

In courses in geology each hour of field work counts as one hour of laboratory work.

Graduate students taking courses in the department of Social Economy and Social Research are charged a laboratory fee of five dollars a semester and are also required to provide themselves with two 50-trip tickets between Bryn Mawr and Philadelphia costing \$13.90. Any extra expenses for train fares or car fares or other charges in connection with the work required by the department will be defrayed by the department.

The fee for laboratory courses in applied psychology and educational psychology is \$5 a semester.

Residence.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred and twenty-five dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating and light.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden.

Application for rooms should be made as early as possible. The demand for graduate rooms is very great, and since every room unnecessarily reserved may prevent some other student from entering the college, a deposit of fifteen dollars is required in order that the application may be registered. In case the applicant enters the college in the year for which the room is reserved, the amount of the deposit is deducted from the first college bill. If she changes the date of her application or files

formal notice of withdrawal at the secretary's office before July fifteenth of the year for which the application is made, the deposit will be refunded. If, for any reason whatever, the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College. Students making application for a room for the second semester forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved. In order to make application for a room it is necessary to sign a room-contract, which will be sent on application, and return it with the fee of fifteen dollars to the Secretary of the College. A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if formal notice of withdrawal is not filed at the secretary's office on or before May first of the current year.

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room for the second semester is responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal for any cause whatever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

Any student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam. The air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week.

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$1.50 a day or \$10.50 a week. At Christmas the college halls are closed, but accommodation is provided on or near the college

campus. At Easter graduate students may occupy their own rooms in the halls of residence at the above rate. Graduate students remaining during the vacations in the neighbourhood of Bryn Mawr are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation unless they inform the Secretary of the College in advance of their intention to spend the vacation elsewhere, and register their addresses in the college office.

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, the Senior Warden, and the physicians of the college.

The Assistant Resident Physician of the college is in her office in the college infirmary during the hours from eight to eight-forty and four to five-thirty every day, except Saturday and Sunday, and on Saturday from eight to nine and on Sunday from nine to ten and may be consulted by the students without charge.

Graduate students who are elected to fellowships or scholarships, or who are admitted to the college, are required to have a medical examination and to follow the health directions of the physicians of the college which will be given them after the examination; and holders of fellowships and scholarships who are reported by the physicians of the college as suffering from uncorrected eye trouble will be expected to take the necessary measures to correct it.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organized in 1892. All person studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The college reserves the right to exclude at any time and to cancel the fellowships or scholarships held by students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

In 1893 the Bryn Mawr Graduate Association was organized

by the graduate students then in residence, its object being to further the social life of the graduate students. A room in Denbigh Hall is set apart by the college to be used as a club-room. Informal meetings are frequently held in this room, and several times during the year the Association invites the Faculty and friends of the college to larger social gatherings, which are addressed by well-known speakers.

Summary of Expenses of Graduate Students.

Tuition for the semester, payable on registration:

For one hour* a week of lectures.....	\$ 10.00
For two hours a week of lectures.....	\$ 20.00
For three hours a week of lectures.....	\$ 30.00
For four or five hours a week of lectures.....	\$ 40.00
For six or more hours a week of lectures.....	\$ 62.50

Room-rent for the academic year, payable on registration.....	\$ 50.00
Board for the semester payable on registration.....	\$112.50

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures.....	\$125.00
Room-rent.....	\$ 50.00
Board.....	\$225.00
Infirmity fee.....	\$ 5.00
Emergency charge.....	\$100.00

Total for tuition, residence, and infirmity care for the academic year .. \$505.00

Laboratory fees for the academic year.....\$10 to \$36

Students whose fees are not paid before November first in the first semester and before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the college and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Ethel Pew, Morris Avenue, Bryn Mawr, Pa., Miss Katharine Leonard Howell, 3307 Hamilton Street, Philadelphia, Miss Doris Earle, Chestnut Hill, Pa., and Miss Mary Christine Smith, 1108 Spruce Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for any given year should be made before May 1st of the preceding academic year.

* See footnote, page 33. Graduate students are also charged a fee of \$1.50 a year for the support of the athletic grounds.

Libraries.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past thirty-three years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about eighty-five thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 47 and 71.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, German, Greek, French, Italian, Spanish, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München.	Deutsche Rundschau.
*Amherst Graduates' Quarterly.	Dial.
Annales Politiques et Littéraires.	Drama.
Athenæum.	Edinburgh Review.
Atlantic Monthly.	English Review.
*Bibliothèque de la Faculté des Lettres de l'Université de Paris.	Fortnightly Review.
Bookman.	Forum.
Bookman (English).	Göttingische Gelehrte Anzeigen.
Bookseller.	Harper's Monthly Magazine.
*Bryn Mawr Alumnae Quarterly.	Harvard Graduates' Magazine.
Bulletin of Bibliography.	L'Illustration.
*Bulletin of the New York Public Library.	Independent.
*Bulletin of the Pan-American Union.	Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.
Century.	*Johns Hopkins University, Circulars.
*Columbia University Quarterly.	Library Journal.
Contemporary Review.	Literary Digest.
Cumulative Book Index.	†Memorial de la Librairie Française.
	Mercure de France.

* Presented by the Publishers.

† Suspended publication.

Mind and Body.
 *Monthly Bulletin of the Carnegie Library
 of Pittsburgh.
 Münchener allgemeine Zeitung.
 Nachrichten von der Königlichen Gesell-
 schaft der Wissenschaften, Göttingen.
 Nation.
 Nation (English).
 Neue Rundschau.
 New Country Life.
 New Republic.
 New Statesman.
 New York Times Index.
 Nineteenth Century.
 North American Review.
 Notes and Queries.
 Nuova Antologia.
 Outlook.
 *Pennsylvania Library Notes.
 Preussische Jahrbücher.
 Public Affairs Information Service,
 Bulletin.
 Publishers' Weekly.
 Punch.
 Quarterly Review.
 Reader's Guide to Periodical Literature.
 Review of Reviews.

Revue Critique d'Histoire et de Littér-
 ature.
 Revue de Paris.
 Revue des Deux Mondes.
 Revue Politique et Littéraire; *Revue*
Blue.
 Saturday Review.
 Scientia.
 Scribner's Magazine.
 Sewanee Review.
 Sitzungsberichte der Königlichen Bayeri-
 schen Akademie der Wissenschaften.
 Sitzungsberichte der Königlichen Preussi-
 schen Akademie der Wissenschaften zu
 Berlin.
 Spectator.
 Der Türmer.
 *Tipyn o' Bob.
 *University of California, Publications.
 *University of Colorado, Studies.
 *University of Missouri, Studies.
 *University of Nebraska, Studies.
 *University of Nevada, Studies.
 *University of Texas, Studies.
 *University of Washington, Studies.
 Die Woche.
 World's Work.

Newspapers.

*College News, Bryn Mawr.
 *Home News, Bryn Mawr.
 London Times.

New York Times.
 Philadelphia Public Ledger.

Art and Archæology.

American Journal of Archæology.
 Art and Archæology.
 Art in America.
 Boletín de la Sociedad Castellana de Excur-
 siones.
 Boletín de la Sociedad Española de
 Excursiones.
 British School at Athens, Annual.
 Bulletin of the Metropolitan Museum of
 Art, New York.
 Burlington Magazine.
 Denkmäler der Malerei des Altertums.
 Ephemeris Archæologica.
 Gazette des Beaux Arts.
 Jahrbuch des Kaiserlich deutschen archäo-
 logischen Instituts.
 Jahreshefte des österreichischen archäo-
 logischen Instituts in Wien.

Journal of Hellenic Studies.
 Journal international d'archéologie
 numismatique.
 Mitteilungen und Nachrichten des Deut-
 schen Palästina Vereins.
 Mitteilungen des Kaiserlich deutschen
 archäologischen Instituts, Athenische
 Abteilung.
 Mitteilungen des Kaiserlich deutschen
 archäologischen Instituts, Römische
 Abteilung.
 *Museum of Fine Arts Bulletin, Boston.
 Notizie degli Scavi di Antichità.
 Revue Archéologique.
 Rivista d'arte.
 Zeitschrift des Deutschen Palästina
 Vereins.

Economics and Politics.

- *Advocate of Peace.
- All Opinions of the U. S. Supreme Court.
- *American Association for International Conciliation, Publications.
- American City.
- American Economic Review.
- *American Economist.
- American Federationist.
- American Journal of International Law.
- American Municipalities.
- American Political Science Review.
- *The Americas.
- Annalist.
- Annals of the American Academy of Political and Social Science.
- Bibliographie der Sozialwissenschaften.
- *Blätter für zwischenstaatliche Organisation.
- *Bulletin of the University of Wisconsin, Economics and Political Science Series.
- Canadian Municipal Journal.
- City Plan.
- City Record, Boston.
- Columbia Law Review.
- Columbia Studies in History, Economics and Public Law.
- *Congressional Record.
- *Cooperative Consumer.
- Economic Journal.
- Equity.
- Great Britain, Quarterly List of Official Publications.
- Handbuch der öffentlichen Rechte.
- Harvard Law Review.
- †International Socialist Review.
- Jahrbücher für Nationalökonomie und Statistik.
- Johns Hopkins University Studies in Historical and Political Science.
- Journal of Political Economy.
- Journal of the Royal Statistical Society.
- Minnesota Municipalities.
- Municipal Journal.
- Modern City.
- Municipal Research.
- National Municipal Review.
- Political Science Quarterly.
- Proceedings of the Academy of Political Science.
- Publications of the American Economic Association.
- Quarterly Journal of Economics.
- Revue Bibliographique.
- Searchlight on Congress.
- *Single Tax Review.
- Suffragist.
- *University of Pennsylvania Publications, Series in Political Economy and Public Law.
- Yale Review.
- Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

Social Economy and Social Research.

- *Advance.
- American Industries.
- American Journal of Sociology.
- American Labor Legislation Review.
- *Bakers' Journal.
- Bulletin of the International Labour Office.
- Bulletin of the National Association for the Study and Prevention of Tuberculosis.
- Bulletin of the National Society for the Promotion of Industrial Education.
- *Bulletin of the New York State Department of Labor.
- *Carpenter.
- Charity Organization Review.
- Child Labor Bulletin.
- *Coast Seaman's Journal.
- *Commercial Telegraphers' Journal.
- Economic World.
- *Elevator Constructor.
- Eugenics Review.
- *Garment Worker.
- *Glove Workers' Monthly Bulletin.
- Housing Betterment.
- Industrial Management.
- Industrial News Survey.
- *Institution Quarterly.
- *International Bookbinder.
- Iron Age.
- Journal of Criminal Law.
- Journal of Delinquency.
- Journal of Heredity.
- *Journal of the Cigar Makers' International Union.
- Journal of the Outdoor Life.
- Labor Bulletin of the Massachusetts Bureau of Statistics.
- Labor Gazette.
- *(The) Lather.
- Life and Labor.

* Presented by the Publishers.

† Suspended publication.

*Miners' Magazine.
 Playground.
 Proceedings of the National Conference of Social Work.
 *Progressive Labor World.
 *Public Health, Michigan.
 Publications of the American Statistical Association.
 Social Hygiene.
 Social Hygiene Bulletin.
 Social Service Review.
 *Southern Workman.
 Survey.
 System.
 *Trade Union News.

Transactions of the American Association for Study and Prevention of Infant Mortality.

*Typographical Journal.
 *U. S. Bureau of Immigration, Publications.
 *U. S. Bureau of Labor Statistics, Bulletin.
 *U. S. Bureau of the Census, Publications.
 *U. S. Children's Bureau, Publications.
 *University of Illinois, Studies in Social Sciences.
 *University of Minnesota, Studies in Social Sciences.
 Vocational Guidance Bulletin.
 Women's Industrial News.
 Women's Trade Union Review.

Education.

†Berichte der Dalcroze Schule.
 Education.
 Educational Review.
 Educational Times.
 Elementary School Journal.
 English Journal.
 History Teacher's Magazine.
 Journal of Experimental Pedagogy.
 *Journal of the Association of Collegiate Alumnae.
 Lehrproben und Lehrgänge.
 Manual Training Magazine.
 National Education Association, Publications.
 Pädagogische Studien.

Pedagogical Seminary.
 Revue Internationale de l'Enseignement Supérieur.
 Revue Universitaire.
 School and Society.
 School Journal.
 School Review.
 School Science and Mathematics.
 Teachers' College Record.
 *U. S. Bureau of Education, Bulletin.
 *University of California Publications, Education.
 Zeitschrift für Pädagogische Psychologie.
 Zeitschrift für Schulgesundheitspflege.

History.

American Historical Association, Reports.
 American Historical Review.
 *Bulletin of the University of Wisconsin, History Series.
 English Historical Review.
 Historical Manuscripts Commission, Reports.
 Historische Vierteljahrsschrift.
 Historische Zeitschrift.
 *Illinois State Historical Society Journal.
 Jahresberichte der Geschichtswissenschaft.
 Klio, Beiträge zur alten Geschichte.

New York Times Current History of the European War.
 Révolution Française.
 Revue des Études Napoléoniennes.
 †Revue des Questions Historiques.
 Revue Historique.
 Round Table.
 Royal Historical Society, Transactions.
 Selden Society, Publications.
 *University of Pennsylvania Publications, Series in History.

Philology and Literature, Classical.

†Bulletin Bibliographique et Pédagogique du Musée Belge.
 Classical Journal.
 Classical Philology.
 Classical Quarterly.
 Classical Review.
 Classical Weekly.

Commentationes Philologiae Jenenses.
 Dissertationes Philologicae Halenses.
 Harvard Studies in Classical Philology.
 Hermes.
 Jahresbericht über die Fortschritte der Klassischen Altertumswissenschaft.
 Journal of Roman Studies.

†Le Musée Belge, Revue de Philologie
Classique.
Mnemosyne.
Philologische Untersuchungen.
Philologus.
Quellen und Forschungen zur lateinischen
Philologie.
†Revue de Philologie.
Revue des Études grecques.

Rheinisches Museum für Philologie.
Rivista di Filologia.
Sokrates.
Studi Italiani di Filologia Classica.
†Studi Storici per l'Antichità Classica.
Wiener Studien, Zeitschrift für klassische
Philologie.
Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
Berliner philologische Wochenschrift.
†Eranos.
Indogermanische Forschungen.
Journal of English and Germanic Philol-
ogy.
Journal of Philology.
Neue Jahrbücher für das klassische Alter-
tum, Geschichte und deutsche Literatur.

Philological Society, London, Publications
Transactions of the American Philological
Association.
Zeitschrift für die österreichischen Gym-
nasien.
†Zeitschrift für vergleichende Sprachfor-
schung.

Philology and Literature, Modern.

Acta Germanica.
Anglia.
Anglistische Forschungen.
†Annales Romantiques.
†Archiv für das Studium der neueren
Sprachen.
†Archivio Glottologico Italiano.
Arkiv for Nordisk Filologi.
Beiblatt zur Anglia: Mitteilungen über
englische Sprache und Litteratur.
Beiträge zur Geschichte der deutschen
Sprache und Literatur.
Bibliographical Society of America, Pub-
lications.
Bibliographical Society of London, Trans-
actions.
Bonner Studien zur englischen Philologie.
British Society of Franciscan Studies.
Bulletin hispanique.
Chaucer Society Publications (both
series).
Deutsche Literaturzeitung.
Deutsche Texte des Mittelalters.
Dialect Notes.
Early English Text Society, Publications
(both series).
English Leaflet.
Englische Studien.
Euphorion.
Forschungen zur Neueren Literaturge-
schichte.
German American Annals.
Germanisch-romanische Monatsschrift.

†Giornale Dantesco.
Giornale Storico della Letteratura Italiana.
Goethe Jahrbuch.
Henry Bradshaw Society, Publications.
Jahrbuch der deutschen Shakespeare
Gesellschaft.
Jahrbuch des Vereins für niederdeutsche
Sprachforschung.
Jahresbericht über die Erscheinungen auf
dem Gebiete der germanischen Philo-
logie.
Kieler Studien zur englischen Philologie.
Korrespondenzblatt des Vereins für nieder-
deutsche Sprachforschung.
†Kritischer Jahresbericht über die Fort-
schritte der romanischen Philologie.
The Library.
Literarische Echo.
Literarisches Centralblatt.
Literaturblatt für germanische und roman-
ische Philologie.
†Le Maître phonétique.
Malone Society, Publications.
Materialen zur Kunde des älteren Engli-
schen Dramas.
Modern Language Notes.
Modern Language Review.
Modern Philology.
Münchener Beiträge zur romanischen und
englischen Philologie.
Palæstra.
Poet-lore.
Praeger deutsche Studien.

† Suspended publication.

Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Kulturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revue Celtique.
 Revue d'Histoire Littéraire de la France.
 †Revue Germanique.
 Revue Hispanique.
 Romania.
 Romanic Review.
 Romanische Forschungen.
 Schriften der Goethe Gesellschaft.
 Scottish Text Society, Publications.
 Société des Anciens Textes Français, Publications.

Société des Textes Français Modernes, Publications.
 Studien zur englischen Philologie.
 University of North Carolina, Studies in Philology.
 Wiener Beiträge zur englischen Philologie.
 Yale Studies in English.
 Zeitschrift für den deutschen Unterricht.
 Zeitschrift für deutsche Philologie.
 Zeitschrift für deutsches Altertum und deutsche Litteratur.
 Zeitschrift für deutsche Wortforschung.
 Zeitschrift für französische Sprache und Litteratur.
 †Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.
 Babyloniaca.
 Jewish Quarterly Review.
 Proceedings of the Society of Biblical Archaeology.

†Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.
 †Zeitschrift für ägyptische Sprache und Altertumskunde.
 Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.
 Année psychologique.
 Archiv für die gesammte Psychologie.
 Archiv für Geschichte der Philosophie.
 Archiv für systematische Philosophie.
 Archives de Psychologie.
 Archives of Psychology.
 Behavior Monographs.
 Berichte über den Kongress für experimentelle Psychologie.
 British Journal of Psychology.
 British Journal of Psychology: Monograph Supplements.
 †Bulletin de l'Institut Psychologique.
 Fortschritte der Psychologie.
 Hibbert Journal.
 International Journal of Ethics.
 †Journal de Psychologie.
 Journal für Psychologie und Neurologie.
 Journal of Abnormal Psychology.
 †Journal of Animal Behaviour.
 Journal of Educational Psychology.
 Journal of Experimental Psychology.
 Journal of Philosophy, Psychology and Scientific Methods.
 Journal of Religious Psychology.

Logos.
 Mind.
 Monist.
 Philosophical Review.
 Proceedings of the Aristotelian Society.
 Psychological Bulletin.
 Psychological Clinic.
 Psychological Review.
 Psychological Review; Monograph Supplements.
 Psychological Review; Psychological Index.
 Psychologische Arbeiten.
 Psychologische Studien.
 Revue de Métaphysique.
 †Revue de Psychothérapie.
 Revue philosophique.
 *University of Toronto Studies, Psychology Series.
 Vierteljahrsschrift für wissenschaftliche Philosophie u. Soziologie.
 Zeitschrift für angewandte Psychologie.
 Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt., Zeitschrift für Sinnesphysiologie.

Religion.

*Alaskan Churchman.
 American Friend.
 American Journal of Theology.
 Biblical World.
 Expositor.
 Expository Times.
 Harvard Theological Review.
 †Herald of Gospel Liberty.
 †Indian's Friend.
 †Intercollegian.
 Journal of Biblical Literature.

Journal of Theological Studies.
 Proceedings of the Society of Biblical
 Archaeology.
 *Publications of the American Jewish
 Historical Society.
 Religious Education.
 Revue biblique.
 *Spirit of Missions.
 *Student World.
 *Woman's Missionary Friend.
 *World Outlook.

Science, General.

American Journal of Science.
 Atti della Reale Accademia delle Scienze
 di Torino.
 British Association for the Advancement
 of Science, Reports.
 *Bulletin of the University of Wisconsin,
 Science Series.
 Comptes Rendus des Séances de l'Aca-
 démie des Sciences.
 International Catalogue of Scientific Lit-
 erature.
 *Kansas University, Science Bulletin.
 Nature.
 *New York State Museum Bulletin.
 Philosophical Magazine.

Philosophical Transactions of the Royal
 Society of London.
 Proceedings of the American Philosophical
 Society.
 Proceedings of the National Academy of
 Sciences.
 Proceedings of the Royal Society of
 London.
 Science.
 Scientific American and Supplement.
 Scientific Monthly.
 *Technology Review.
 *U. S. National Museum, Publications.
 *University of Missouri Studies, Science
 Series.

Science, Biology.

American Anthropological Association,
 Memoirs.
 American Anthropologist.
 American Journal of Anatomy.
 American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiologie.
 Archiv für die gesammte Physiologie.
 Archiv für Entwicklungsmechanik der
 Organismen.
 Archiv für mikroskopische Anatomie.
 Bibliographia Physiologica.
 Biological Bulletin.
 Biologisches Centralblatt.
 Biometrika.
 Botanisches Centralblatt.
 Centralblatt für Physiologie.
 Eugenics Laboratory Memoirs.
 Genetics.
 *Illinois Biological Monographs.
 Jahrbücher für wissenschaftliche Botanik.
 Journal de Physiologie.
 Journal of Biological Chemistry.
 Journal of Experimental Medicine.
 Journal of Experimental Zoology.

Journal of Genetics.
 Journal of Morphology.
 Journal of Physiology.
 Journal of the Royal Microscopical
 Society.
 *Midland Naturalist.
 Quarterly Journal of Microscopical
 Science.
 Stazione Zoologica di Napoli, Publica-
 zioni.
 U. S. Public Health Service, Publications.
 *University of California Publications,
 Physiology.
 *University of California Publications,
 Zoology.
 *University of Pennsylvania, Contribu-
 tions from the Botanical Laboratories.
 *University of Pennsylvania, Contribu-
 tions from the Zoological Laboratories.
 *University of Toronto Studies, Biological
 Series.
 *University of Toronto Studies, Physio-
 logical Series.
 *Wilson Bulletin.
 Zeitschrift für wissenschaftliche Zoologie.
 Zoologischer Anzeiger.

Science, Geology, and Geography.

Centralblatt für Mineralogie.

Economic Geology.

Geographical Journal.

Geological Magazine.

Geologisches Centralblatt.

*Georgia Geological Survey Bulletin.

*Illinois Geological Survey Bulletin.

Journal of Geography.

Journal of Geology.

Meteorologische Zeitschrift.

Mineralogical Magazine.

Mineralogische und petrographische Mittheilungen.

National Geographic Magazine.

Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.

Philadelphia Geographical Society Bulletin.

Quarterly Journal of the Geological Society.

*Resources of Tennessee.

*U. S. Monthly Weather Review.

*University of Toronto Studies, Geological Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.

American Journal of Mathematics.

Annalen der Chemie.

Annalen der Physik.

Annales de Chimie.

Annales de Physique.

Annales scientifiques de l'Ecole Normale Supérieure.

Annali di Matematica.

Astrophysical Journal.

Beiblätter zu den Annalen der Physik.

Berichte der deutschen chemischen Gesellschaft.

Bibliotheca Mathematica.

Bollettino di Bibliografia e Storia delle Scienze Matematiche.

Bulletin de la Société Chimique de France.

Bulletin de la Société Mathématique.

Bulletin des Sciences Mathématiques.

Bulletin of the American Mathematical Society.

Cambridge Tracts in Mathematics.

Chemisches Zentralblatt.

Giornale di Matematiche.

Jahrbuch über die Fortschritte der Mathematik.

Jahresbericht der deutschen Mathematiker Vereinigung.

Journal de Chimie physique.

Journal de Mathématiques.

Journal de Physique.

Journal für die reine und angewandte Mathematik.

Journal für praktische Chemie.

Journal of the London Chemical Society.

Journal of Physical Chemistry.

Kolloidzeitschrift.

Mathematische Annalen.

Messenger of Mathematics.

Monatshefte für Chemie.

Physical Review.

Physikalische Zeitschrift.

Proceedings of the London Mathematical Society.

Quarterly Journal of Mathematics.

Rendiconti del Circolo Matematico di Palermo.

Science Abstracts.

Transactions of the American Mathematical Society.

*U. S. Bureau of Standards Bulletin.

Zeitschrift für anorganische Chemie.

Zeitschrift für Elektrochemie.

Zeitschrift für Mathematik und Physik.

Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Library Company of Philadelphia*, which contains about 275,000 volumes, divided between the Locust Street Building and the Ridgway Branch. Its valuable collection of pamphlets is included in the number of volumes as given above. The Library is open from nine A. M. to five-thirty P. M., and is open to students for consultation freely during these hours. To take books from the building a deposit must be made or subscriptions will be received as follows: Twelve dollars for one year, six dollars for six months, four dollars for three months.

The *Mercantile Library*, which contains about 214,078 volumes. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 81,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 451,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains 534,152 volumes and 262,440 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains over 67,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 140,000 bound volumes, and 300,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of Dr. Edward Henry Sehrt, Lecturer in Teutonic Philology, and a non-resident lecturer in Comparative Philology and Sanskrit.

GRADUATE COURSES.

The following graduate courses are offered in each year:

Lectures on Comparative Philology and Philological Seminary.

Two hours a week throughout the year.

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Indo-European group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course which covers what during the last few years has been the field of the most active research the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year. This course was given in 1917-18 by Dr. Sehrt.

Second Year Sanskrit.

One or two hours a week throughout the year.

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology.

Advanced Sanskrit.

Two hours a week throughout the year.

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second semester the course is conducted as a seminary, with use of the native commentaries.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the College. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

GRADUATE COURSES.

The graduate seminars in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminars and one journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. The post-major courses also are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archæology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see pages 99 to 100.

No undergraduates are admitted to graduate courses.

Dr. Sanders conducts in each year the following graduate seminary:

Greek Seminary.

Three hours a week throughout the year.

In 1917-18 Attic Tragedy is the subject of the seminary. The work of the seminary in textual criticism is devoted to Æschylus. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

In 1918-19 Greek Orators will be studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1919-20 Greek Historians are the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

Dr. Wright conducts in each year the following graduate seminary:

Greek Seminary.

Two hours a week throughout the year.

In 1917-18 Plato is the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dia-

logues. The aim of the course is to lay a foundation for independent work by familiarizing the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

In 1918-19 the Homeric Question will be the subject of the seminary; the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticized in detail.

In 1919-20 Aristophanes will be the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

Dr. Sanders and Dr. Wright together conduct the Greek journal club:

Greek Journal Club. *One and a half hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent articles and books on subjects connected with the Greek classics.

POST-MAJOR COURSES.

Dr. Sanders offers in 1917-18 the following post-major courses, open to graduate students:

Sophocles, *Trachiniae* and Euripides, *Heracles*.
Two hours a week during the first semester.

Herodotus. *One hour a week during the first semester.*

Greek Rhetoricians and Greek Prose Composition.
One hour a week during the second semester.

Bacchylides. *One hour a week during the second semester.*

Euripides, *Bacchæ*. *One hour a week during the second semester.*

Dr. Sanders offers in 1918-19 the following post-major courses, open to graduate students:

Æschylus, *Oresteia*. *Two hours a week during the first semester.*

Fourth Century Critics. *One hour a week during the first semester.*

Pindar. *Two hours a week during the second semester.*

Sophocles, *Electra* or Euripides, *Electra*.
One hour a week during the second semester.

Dr. Sanders offers in 1919-20 the following post-major courses, open to graduate students:

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| Minor Orations of the Attic Orators. | <i>Two hours a week during the first semester.</i> |
| Sophocles, <i>Oedipus Tyrannus</i> . | <i>One hour a week during the first semester.</i> |
| Æschylus, <i>Agamemnon</i> . | <i>Two hours a week during the second semester.</i> |
| Greek Prose Composition and the Evolution of Style. | <i>One hour a week during the second semester.</i> |

Dr. Wright offers in 1917-18 the following post-major courses, open to graduate students:

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| Theocritus. | <i>Two hours a week during the first semester.</i> |
| Æschylus, <i>Septem or Lucian</i> . | <i>Two hours a week during the second semester.</i> |

Dr. Wright offers in 1918-19 the following post-major courses, open to graduate students:

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| Palatine Anthology. | <i>Two hours a week during the first semester.</i> |
| Sophocles, <i>Ajax</i> . | <i>Two hours a week during the second semester.</i> |

Dr. Wright offers in 1919-20 the following post-major courses, open to graduate students:

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| Melic Poets. | <i>Two hours a week during the first semester.</i> |
| Plato, <i>Republic</i> . | <i>Two hours a week during the second semester.</i> |

FREE ELECTIVE COURSES.

Dr. Wright offers in 1918-19 the following free elective courses:

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| History of Greek Literature. | <i>Two hours a week throughout the year.</i> |
| Greek Myths. | <i>Two hours a week during the first semester.</i> |
| Literary Geography of Greece and Asia Minor, | <i>Two hours a week during the second semester.</i> |

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Professor of Latin, Dr. James Fulton Ferguson, Associate Professor of Ancient History and Latin, and Dr. Mary Hamilton Swindler, Instructor in Latin and Archæology.

GRADUATE COURSES.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied

from year to year in three series, Roman Lyric Poetry, Elegy, and Comedy, and Roman Epic Poetry, Cicero's Correspondence and Epigraphy. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

No undergraduates are admitted to graduate courses.

Dr. Wheeler conducts in each year the following graduate seminary:

Latin Seminary.

Three hours a week throughout the year.

In 1917-18 Roman Elegy as represented by Tibullus, Propertius, and Ovid is the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarize themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

In 1918-19 Latin Comedy will be the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoedæ*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1919-20 Roman Lyric in the Period of the Republic will be the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

Dr. Frank conducts in each year the following graduate seminary:

Latin Seminary.

Two hours a week throughout the year.

In 1917-18 Latin Epigraphy and Palæography is the work of the seminary. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

In 1918-19 Cicero's Correspondence will be the subject of the seminary. An effort will be made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilization of Cicero's day.

In 1919-20 the work of the seminary will consist of a study of Roman epic.

Dr. Wheeler, Dr. Frank, Dr. Ferguson and Dr. Swindler together conduct the Latin journal club.

Latin Journal Club.

One and a half hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent articles and books on subjects connected with the Latin classics.

POST-MAJOR COURSES.

Dr. Wheeler offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

Roman Satire.

Two hours a week throughout the year.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Wheeler offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Roman Elegy.

Two hours a week throughout the year.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read. The readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Frank offers in 1917-18 and again in 1919-20 the following post-major courses, open to graduate students:

Lucretius and Catullus.

Three hours a week during the first semester.

Selections from the *De Rerum Natura* and from the lyrics of Catullus are read.

Latin Prose Composition.

One hour a week throughout the year.

Cicero and Cæsar.

Three hours a week during the second semester.

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Dr. Frank offers in 1918-19 and again in 1920-21 the following post-major courses, open to graduate students:

The Life and Works of Vergil.

Three hours a week during the first semester.

The larger part of the *Aeneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition.*One hour a week throughout the year.***Roman Prose of the Empire.***Three hours a week during the second semester.*

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius, and Minucius Felix are read.

Dr. Frank offers in each year the following elective course, open to graduate students:

Lectures on Roman Life.*One hour a week throughout the year.*

An attempt is made to describe briefly Roman social and economic conditions, as well as the development of religious beliefs and institutions.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Agathe Lasch,† Dr. Regina Katharine Crandall, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Dr. Jean Baptiste Beck, Dr. Howard James Savage,* Mr. Charles Dominique Vatar, Mr. Samuel Arthur King, Dr. Howard Rollin Patch,‡ Dr. Edward Henry Sehrt, Miss Esther Cloudman Dunn, Miss Ellen Elisabeth Hill, Miss Emily Gifford Noyes, Miss Helen McGregor Noyes, Miss Eva Alice Worrall Bryne, Miss Jeanne Chéron, Dr. Christine de Sarauw, and Dr. Agnes Rutherford Riddell.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Regina Katharine Crandall, Associate Professor and Professor elect of English Composition, Dr. Samuel Claggett Chew, Associate Professor of English Literature, Dr. Howard James Savage,* Associate Professor of Rhetoric and Director of the Work in English Composition, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Howard Rollin Patch,‡ Associate in English Philology, Miss Esther Cloudman Dunn, Instructor in English Composition and Acting Director of First and Second Year English Composition, Miss Ellen Elisabeth Hill, Miss

* Granted leave of absence for 1917-19 on military service.

† Granted leave of absence for the duration of the war.

‡ Granted leave of absence for 1918-19 for war service. The courses announced by Dr. Patch will be given by an instructor whose appointment will be announced later.

Emily Gifford Noyes, and Miss Helen McGregor Noyes, Instructors in English, and Miss Eva Alice Worrall Bryne, Reader in English.

GRADUATE COURSES.

There are offered each year graduate seminars and courses in English literature and in English language, and these seminars and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature courses of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language course in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the composition in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as the associated minor and those who offer English philology as a major subject must offer English literature as the associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Miss Donnelly conducts in alternate years the following graduate seminary:

Seminary in English Literature.

Two hours a week throughout the year.

In 1918-19 Eighteenth Century Prose will be the subject of the seminary. Swift, Addison, and Steele will be studied. Attention will be given to their relations to both contemporary politics and literature.

In 1920-21 the Romantic Poets will be the subject of the seminary. Special attention will be paid to Shelley and Byron and to the phases of Romanticism shown in their work. Their relations to their contemporaries in England and on the Continent will be discussed.

In 1922-23 Donne and Milton will be the subject of the seminary. They will be studied in their relation to such contemporary influences as Platonism and the Church and Puritanism and in especial to the sources and development of poetical style in the seventeenth century.

Dr. Chew conducts in each year the following graduate seminary:

Seminary in English Literature.

Three hours a week throughout the year.

In 1917-18 the subject of the seminary is the plays of Webster, Beaumont and Fletcher, Massinger, and Ford.

In 1918-19 the earlier Romantic Period will be the subject of the seminary. Chief attention will be devoted to the poetry of Burns, Blake, Coleridge, and Wordsworth.

In 1919-20 the seminary will study various aspects of English Literature during the reign of Victoria.

Dr. Crandall conducts in each year the following graduate seminary:

Seminary in English Composition.

Two hours a week throughout the year.

The chief business of the seminary is the discussion and criticism of the students' own writing. Its aim is to make familiar and apply the principles and standards of criticism that have developed with the development of literature; the subject of study in each year is adapted to the purpose and interests of the students.

In 1917-18 modern fiction, English, French and Russian, is the subject of the seminary.

In 1918-19 the seminary will study the manner of writers of biography and memoirs, among others Boswell, Lord Morley and Charles Francis Adams.

In 1919-20 the subject of the seminary will be historical writing and will include a study of the manner of Gibbon, J. R. Green, Motley, Parkman and other historians.

Dr. Patch* conducts in each year the following graduate seminary:

Seminary in Middle English.

Three hours a week throughout the year.

In 1917-18 the seminary studies *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

In 1918-19 the Beginnings of English Drama will be the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles will be studied. In considering the morality plays, their connection with mediæval allegories, debates, and didactic treatises will be specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

In 1919-20 Middle English Romances will be the subject of the seminary. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, romances of Germanic origin, Arthurian cycle, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

Dr. Patch* offers in 1918-19 and again in 1920-21 the following graduate courses:

Beowulf.

Two hours a week throughout the year.

This course begins with a careful textual study of the Beowulf. After discussing the problems of editing, a general survey of Beowulf criticism is presented including theories as to the composition of the poem, and an inquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

* See footnote, page 53.

English Historical Grammar.

Two hours a week throughout the year.

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English. The students will examine various documents of the different periods to discover evidence which shows the operation of linguistic principles.

Dr. Patch* offers in 1917-18 and again in 1919-20 the following graduate course:

Cynewulf and Cædmon.

Two hours a week throughout the year.

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts or its equivalent.

Dr. Savage offers in 1919-20 the following graduate course:

Technical and Advanced Criticism.

Two hours a week during the first semester.

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, and other matters. Materials collected for other courses in research are available for use in this work.

Miss Donnelly, Dr. Chew, Dr. Crandall, Dr. Savage,* and Dr. Patch* together conduct the English journal club.

English Journal Club.

One and a half hours a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

The following advanced undergraduate courses may be attended by graduate students:

Miss Donnelly offers in 1917-18 and again in 1919-20 the following course:

English Romantic Poets.

Five hours a week during the second semester.

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, and Keats. Their works are discussed in class in connection with questions of poetics and literary theory and reports are required from students attending the course.

Dr. Chew offers in each year the following courses:

English Critics of the Nineteenth Century.

Five hours a week during the first semester.

Carlyle, Newman, Ruskin, Arnold, and Pater and, if time allows, a few other writers are studied with regard to their theories of criticism and to their influence upon the thought of their time. A report is required from each student attending this course.

* See footnote, page 53.

English Drama.

Five hours a week during the first semester.

This course comprises a survey of the early drama, close study of the Elizabethan and Jacobean dramatists, and an introduction to the later periods of the drama. A report is required from each student attending this course.

Dr. Chew offers in 1918-19 and again in 1920-21 the following course:

English Poetry, 1850-1914.

Five hours a week during the second semester.

A review of the progress of poetry during the first half of the nineteenth century is followed by a more detailed study of the poets of the later period.

Dr. Chew offers in 1917-18 and again in 1919-20 the following course:

English Literature from Dryden to Johnson.

Five hours a week during the second semester.

The chief writers studied in this course are Hobbes, Locke, Cudworth, Shaftesbury; Butler; Dryden, Pope, Prior, Gay; Steele, Addison, Defoe and Swift. A report is required from each student attending the course.

Dr. Patch* offers in 1917-18 and again in 1919-20 the following courses:

Anglo-Saxon Prose and Beowulf.

Five hours a week during the first semester.

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Wyatt and Chambers' text) and the first two-thirds of the poem is read with the class.

Middle English Poetry, Chaucer.

Five hours a week during the second semester.

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Lectures are given on the development of the language and literature during this period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time.

Dr. Patch* offers in 1918-19 the following courses:

Middle English Romances.

Five hours a week during the first semester.

Selected romances in Middle English are read by the members of the class. The lectures deal with the development of Romance literature in Europe with special reference to the romances of the Arthurian cycle, and the discussion will include a review of the development of mediæval themes in later periods.

Shakespeare.

Five hours a week during the second semester.

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work. The plays usually chosen are: *King Lear*, *Romeo and Juliet*, *Henry IV*, Part 1, *Hamlet*, and *All's Well that Ends Well*. Some of the more general problems connected with these plays are discussed in introductory lectures and various topics are taken up such as the principles of tragedy and comedy, the use of allegory and the development of Shakesperian criticism.

* See footnote, page 53.

Dr. Crandall offers in 1917-18 and again in 1919-20 the following elective courses:

The Short Story.

Two hours a week throughout the year.

The course deals with various forms of narrative, more especially the short story, and includes a study of the work of representative authors, both English and French.

Versification.

Two hours a week throughout the year.

The course is not historical but theoretical and practical. Students are required to write short exercises in verse every week.

Argumentation.

One hour a week throughout the year.

The writing of arguments, the study of the form with reference to other types of writing, and other problems connected with argumentation, formal and informal, make up the work of the course. If possible, some attention will be paid to oral composition. In 1919-20 this course will be given two hours a week throughout the year.

Dr. Crandall offers in 1918-19 and again in 1920-21 the following elective courses:

Daily Themes.

Two hours a week during the first semester.

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class.

Criticism.

Two hours a week throughout the year.

The course includes a study of the principles of criticism and the writing of critical expositions, the essay, and kindred forms.

The Short Story.

Two hours a week during the second semester.

Versification.

Two hours a week during the second semester.

Dr. Savage* offers in successive years the following courses:

English Fiction in the Nineteenth Century.

Five hours a week during the second semester.

A study of the principal types of English prose fiction during the last century, the short story and the novel, with attention to their origins, development, and technique.

The Technique of the Drama.

Two hours a week throughout the year.

This course is open only to those students who can assure the instructor that they can pursue the work with profit. It deals with the theory of the drama, the building of scenarios, adaptation, and the writing of original longer and shorter plays; and with the observation of dramatic technique in plays read and seen.

Materials and Methods of Teaching Composition.

Two hours a week during the second semester.

This course is intended for graduate students and for undergraduates who expect to teach English; its aim is to present some of the problems of collegiate instruction in composition: the planning and supervision of courses, reports on departments in various colleges, and allied problems. Practice in writing is gained through reports of varying character and length.

Mr. King offers in each year the following course in English Diction for graduate students:

* See footnote, page 53.

General Course in Articulation and Voice Production.

One half hour a week throughout the year.

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

Mr. King offers in 1917-18 and again in 1919-20 the following free elective course in English Diction:

Reading of Shakespeare.

One hour a week throughout the year.

This course is open only to those students who have taken the required course in English diction. A special study is made of the principles of correct delivery of blank verse. The needs of those students who intend to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

Mr. King offers in 1918-19 and again in 1920-21 the following free elective course in English Diction:

General Reading of Prose Authors.

One hour a week throughout the year.

This course is open only to those students who have attended the required course in English diction or who have done equivalent work.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, Dr. Agathe Lasch,* Associate Professor of Teutonic Philology, Dr. Edward Henry Sehrt, Lecturer in Teutonic Philology, and Dr. Christine de Sarauw, Reader in German and Spanish.

GRADUATE COURSES.

The graduate courses offered in German philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Teutonic philology as an associated minor and students who offer Teutonic philology as a major subject must offer German literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

* Granted leave of absence for the duration of the war. During Dr. Lasch's leave of absence temporary arrangements will be made to meet the wishes of the few students wishing to elect her courses. During 1917-18 these courses are offered by Dr. Sehrt.

Dr. Jessen conducts in each year the following graduate seminary:

Seminary in German Literature.

Two hours a week throughout the year.

It is hoped that the students will become familiar in the seminary with the methods of scientific literary criticism and investigation.

In 1917-18 Goethe is the subject of study in the seminary.

In 1918-19 the Romanticism of early modern German literature will be studied in the seminary.

Dr. Jessen offers in 1917-18 and again in 1919-20 the following graduate courses:

German Literary Criticism.

One hour a week during the first semester.

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative, and French and English literary criticisms are also considered. Lessing's *Laokoon* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are specially studied. The course is open to those students only who have a reading knowledge of French and German.

The German Essay.

One hour a week during the second semester.

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Dr. Jessen offers in 1918-19 and again in 1920-21 the following graduate courses:

German Metrics.

One hour a week during the first semester.

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics.

One hour a week during the second semester.

Lectures are given on *Deutsche Poetik* and *Stilistik*.

Dr. Jessen offers in each year, if the time of the department permits, one of the following graduate courses:

Goethe's *Faust*.

Two hours a week throughout the year.

This course is intended to give a detailed introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Goethe's Life and Works.

Two hours a week throughout the year.

This course aims at giving an introduction into *Goethe-philologie*.

Dr. Jessen and Dr. Sehr* conduct in each year the German journal club.

German Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

* See footnote, page 59.

POST-MAJOR COURSES.

Dr. Jessen offers in 1917-18 and again in 1919-20 the following post-major courses, open to graduate students:

German Literature from 1850 to the present time.

Two hours a week during the first semester.

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, in particular of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the present time (continued).

Two hours a week during the second semester.

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Louise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig and others; the significance of Nietzsche for German life and literature; neo-romanticism and *Heimatsdichtung*.

Dr. Jessen offers in 1918-19 and again in 1920-21 the following post-major courses, open to graduate students:

Lectures on the History of German Literature from the Romantic School to 1850.

Two hours a week during the first semester.

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century.

Two hours a week during the second semester.

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romanticists. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

Dr. Jessen offers in each year the following post-major course, open to graduate students:

Advanced Critical Reading.

One hour a week throughout the year.

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

Dr. Sehrt* offers in each year the following post-major course, open to graduate students:

Elementary Middle High German.

One hour a week throughout the year.

(Given in each year when the time of the department permits.)

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. Paul's *Mittelhochdeutsche Grammatik* (8th edition, Halle, 1911) and Hartmann von Aue's *Der arme Heinrich* are used.

Dr. Sehrt* offers in each year the following elective course, open to graduate students:

Advanced German Composition.

One hour a week throughout the year.

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Agathe Lasch,* Associate Professor of Teutonic Philology, and Dr. Edward Henry Sehrt, Lecturer in Teutonic Philology.

Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of Teutonic philology, Gothic, and Middle High German grammar, are designed for students in their first year of graduate study in Teutonic languages, and the remaining courses for students in their second or third year.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

* See footnote, page 59.

GRADUATE COURSES.

Dr. Sehrt* offers in each year the following graduate seminary:

Teutonic Seminary.

Two hours a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1917-18 the seminary is devoted to High German texts from the fourteenth to the seventeenth century. The material is taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellen-schriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. If it seems advisable Old Saxon texts (*Heliand* and *Genesis*) are also studied.

In 1918-19 Old High German texts such as *Merseburger Zaubersprüche*, *Muspillî*, and *Hildebrandslied* will be studied in the first semester. The many problems that these texts offer and the various attempts to solve them will be discussed. In the second semester modern High German texts will be the subject of the seminary.

In 1919-20 the subjects of the seminary are taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it will be discussed.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Dr. Sehrt* offers in each year the following graduate courses:

Introduction to the Study of Teutonic Philology.

One hour a week throughout the year.

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Teutonic languages and chiefly of the West Germanic branch.

Gothic.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts.

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

* See footnote, page 59.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (8th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make Teutonic philology a minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Middle Low German.

One hour a week throughout the year.

A sufficient knowledge of Old Saxon is presupposed on the part of students taking this course. The Middle Low German grammar is studied and representative Middle Low German texts are read. This course may be substituted for the course in Middle High German in accordance with the requirements of the students in any particular year.

Old Norse.

Two hours a week throughout the year.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913) and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's (3rd ed., Paderborn, 1913) or Neckel's (Heidelberg, 1914) *Edda*.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, and works on Old Norse language and literature.

Dr. Sehart* offers in 1916-17 and again in 1918-19 the following graduate courses:

Old Saxon.

Two hours a week during the second semester.

The work presupposes on the part the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée's *Altsächsische Grammatik* (2nd ed., Halle, 1910), *Heliand* (Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

History of Modern High German.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

Dr. Sehart* offers in 1917-18 the following graduate courses:

Old High German.

Two hours a week throughout the year.

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

* See footnote, page 59.

Comparative Teutonic Grammar.*One hour a week throughout the year.*

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

In addition to the above courses, others in Old Frisian, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon. A course in Sanskrit is offered which is specially recommended for students of Teutonic philology.

ROMANCE LANGUAGES.**French.**

The instruction in this department is under the direction of Dr. Eunice Morgan Schenck, Associate Professor of French; Dr. Jean Baptiste Beck, Associate Professor of Mediæval French Literature; Mr. Charles Dominique Vatar, Associate in Modern French Literature and Italian; Miss Jeanne Chéron, Reader in Elementary French, and Dr. Agnes Rutherford Riddell, Reader in Spanish and French.

GRADUATE COURSES.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses covering the field of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centres around one main topic to be studied as a part of the history of French literature in its various relations to general literature and civilization of the period concerned. Students may enter a seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on subjects assigned them at the beginning of each semester.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminaries and a journal club for three years.

Dr. Schenck conducts in each year the following graduate seminary:

Seminary in Modern French Literature. *Two hours a week throughout the year.*

In 1917-18 the subject of the seminary is Phases of Romanticism in the Nineteenth Century as illustrated by Hugo, Gautier, and Flaubert. A special study is made of the origin and development of the theory of *L'art pour l'art*.

In 1918-19 the subject of the seminary will be Nineteenth Century Drama. After a rapid survey of the theatre of the eighteenth century a careful study will be made of the drama of Hugo, Dumas père, Vigny, and Musset, and the extent of the influence of Shakespeare on French romantic drama. The rise and development of realistic comedy will be studied and the course will close with an examination of Post-Realism, Symbolism, and Contemporary French drama.

In 1919-20 the subject of the seminary will be Romanticism and Realism. The origins of romanticism will be examined in the rise of "*le cosmopolitisme littéraire*," in eighteenth century French literature and especially in the works of Rousseau and Madame de Staël. A partial study of the theories underlying literary and historical realism will be made in connection with Taine, Renan, Zola, and Maupassant.

Dr. Beck conducts in each year the following graduate seminaries:

Seminary in Mediæval French Literature.

Two hours a week throughout the year.

The work expected of graduate students in the seminary in Mediæval French Literature consists of a palæographical analysis of the original manuscripts, a cursory interpretation of the texts, a review of the opinions expressed by the respective specialists on each subject and a critical discussion of the comparative value of the work in question. These reports are intended to train graduate students in literary research. The courses in other Romance Languages (Italian and Spanish) and also those in Middle English are recommended to students in Mediæval French literature. During her first year of work in this seminary each student is required to take also the Seminary in Romance Philology, unless she has already taken a corresponding course.

In 1917-18 the subject of the seminary in Mediæval French Literature is the Origin of French Literature from the earliest documents to the twelfth century. The literary products of this period are read and interpreted from photographic reproductions of the original manuscripts. The main emphasis is laid upon the development of mediæval literature from the previous Middle Latin literature, to show the interrelations between literature written in the various languages and dialects, both Romanic and Germanic, and the religious literature, and to illustrate the international character of literature during that period. The origin of mediæval lyric poetry is derived from the Tropes and Sequences of St. Martial de Limoges and of St. Gall, the Epic Poetry from the Lives of the Saints and the dramatic literature from the Liturgy of the Church. The absolute unity of mediæval art in the conception of the authors and artists of the Romanesque and Gothic periods will be illustrated by the mutual connections between the various literary genres and the different branches of fine arts, such as architecture, sculpture, painting, and music.

In 1918-19 the subject of the seminary will be Rabelais' *Gargantua et Pantagruel*.

In 1919-20 the Evolution of Dramatic and Epic Literature from the twelfth to the sixteenth century will be studied in the seminary, the development of actual stage drama from the primæval liturgical ceremonies, these and the epic parts of Scripture in relation to the Mystères; the dramatic elements contained in mediæval lyrics, such as the Aubes, Pastoureaux, Jeux-Partis and in the dialogue forms of certain types, such as the Chansons à danse; the primitive Opera comique, a combination of lyrics and epics: Aucassin et

Nicolette, Robin et Marion, le Jeu de St. Nicolas, etc. The work of the second semester will be devoted entirely to a systematic study of the origin and development of Old French epics in the light of Bédier's work.

Seminary in Romance Philology.

Three hours a week throughout the year.

The seminary in Romance Philology is designed to be a linguistic complement to the seminary in Mediæval French Literature and must be taken by every member of this seminary during her first year. It is also required of all students who choose French as a minor subject in the examination for the degree of Doctor of Philosophy and recommended to students from Ancient and Modern Language departments who wish to acquire a reading knowledge of Old French and an outline of Mediæval French literature.

The first semester is devoted chiefly to historical grammar of the Romance Languages, especially of Old French, Old Provençal, Old Italian, and Old Spanish. During the second semester selections from the most typical genres are read in the order of their evolution so as to give the students an adequate idea of the origin and a summary idea of the development of Old French Literature in particular. The students are also made acquainted with mediæval palæography and other auxiliary disciplines. Experimentation with philological methods prepares the students to do research work.

Students of Old French should be provided with E. Monaci's *Facsimili di documenti per la storia delle lingue e delle letterature Romanze*, W. Foerster's *Altfranzösisches Übungsbuch* and K. Bartsch's *Chrestomathie de l'Ancien Français*, 11th edition.

Advanced Old French Philology.

Two hours a week throughout the year.

The influence of Mediæval Latin upon the formation of the Old French literary language is studied. After an introduction to Mediæval Latin philology, the linguistic value of mediæval grammars, glosses, commentaries and interlinear translations is examined.

Dr. Beck offers in 1918-19 and again in 1920-21 the following graduate course intended especially for teachers of French:

The Foundations of French Grammar.

One hour a week throughout the year.

This course is intended to train teachers to be able to give a rational explanation of the various functions of parts of speech and to dispense with mechanical grammatical rules.

Dr. Beck offers in 1920-21 and again in 1921-22 the following graduate course in Metrics, open to students of Mediæval Literature:

The Influence of Mediæval Latin Poetry upon Romance and Teutonic Versification.

One hour a week throughout the year.

The linguistic difference between Classical and Low Latin explains the change from quantitative to qualitative prosody. The fundamental difference between the rhythmical nature of Teutonic and Romance languages explains the dissimilarity in their respective versifications. The origin of Rime and of Isosyllabism in French.

Students who take this course are supposed to be familiar with classical and mediæval literature.

Mr. Vatar conducts in alternate years the following graduate seminary:

Seminary in Modern French Literature.

Two hours a week throughout the year.

In 1918-19 the subject of the seminary is Baudelaire. Among the topics considered are the origins of the "poésie baudelairienne"; the life and works of Baudelaire; the influence of Edgar Allan Poe and Thomas de Quincey on Baudelaire; the followers of Baudelaire in France.

In 1920-21 the subject of the seminary will be symbolism. After the origins of symbolism have been considered a careful study will be made of the theories of Stéphane Mallarmé and his followers, as illustrated by their poetical works.

Dr. Schenck, Dr. Beck, and Mr. Vatar together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

POST-MAJOR COURSES.

Dr. Schenck offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

The Short Story (*Nouvelle*) in the Nineteenth Century.

Three hours a week throughout the year.

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France, and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant. In 1917-18 this course met two hours a week.

Dr. Schenck offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

French Lyric Poetry of the Nineteenth Century.

Three hours a week throughout the year.

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866. Lamartine, Hugo, Sainte-Beuve, Vigny, and Musset are studied only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, Banville, Leconte de Lisle, Sully Prudhomme, Coppée, Mendès, etc. The lectures of the second semester treat lyric poetry from 1866 to the present day. A careful study is made of the Parnassian school. Throughout the course the lectures are supplemented by the critical reading of texts.

Mr. Vatar offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

Molière and the French Comedy.

Two hours a week throughout the year.

After a study of the comic elements in Mediæval epic and dramatic literature, the nature of Molière's "comique" is analyzed and compared with that of his predecessors. Molière's influence upon French and foreign comedy as a psychologist and as a playwright is discussed. In 1917-18 this course met three hours a week.

Mr. Vatar offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Rabelais and Montaigne.

Two hours a week throughout the year.

Italian.

The instruction in this department is given by Mr. Charles Dominique Vatar, Associate in Modern French Literature and Italian.

GRADUATE COURSES.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French Philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

The following graduate seminary will be offered in each year:

Italian Seminary.

Two hours a week throughout the year.

This seminary presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon the treatise entitled *Die Italienische Sprache* by D'Ovidio and Meyer Lübke in Gröber's *Grundriss* (Strassburg, 1906). Various passages from thirteenth and fourteenth century authors are examined critically from a phonological and morphological point of view.

Mr. Vatar offers in each year the following undergraduate course, open to graduate students:

FIRST YEAR.

Modern Italian.

Five hours a week throughout the year.

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. In the second semester the reading of Dante's *Inferno* will be begun.

Spanish.

The instruction in this department is given by Dr. Fonger DeHaan,* Professor of Spanish, Dr. Christine de Sarauw,

* Granted leave of absence for the year 1917-18.

Reader in German and Spanish, and Dr. Agnes Rutherford Riddell, Reader in French and Spanish.

GRADUATE COURSES.

The graduate seminary in Spanish is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French Philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Dr. DeHaan* offers in each year the following graduate seminary:

Seminary in Spanish.

Three hours a week throughout the year.

In 1918-19 the origins of the Spanish novel will be studied.

In 1919-20 Tirso de Molina, the plays, will be the subject of the seminary.

Dr. DeHaan* offers in each year the following graduate course:

Spanish Philology.

Two hours a week throughout the year.

The work of the course will consist of a study of Spanish philology and readings in Old Spanish. The course occupies one-third of the student's time and is counted as equivalent to a seminary.

Dr. DeHaan* offers in each year the following undergraduate courses, open to graduate students:

FIRST YEAR.

Spanish.

Five hours a week throughout the year.

The object of this course is to give beginners a good knowledge of modern Spanish. The first six weeks are given to the essentials of grammar; exercises at frequent intervals during the first semester give practice in the application of the principles; the remaining time is given to reading prose texts. In the second semester exercises in composition are continued but a greater proportion of the time is given to reading; plays in prose and in verse are read and attention is paid to versification. This course was given by Dr. Riddell in 1917-18.

SECOND YEAR.

Spanish.

Five hours a week throughout the year.

The work of the first year course is extended by the reading of moderately long and fairly difficult novels by representative modern authors, and some plays in verse, preferably of the classical period. Passages of continuous English prose are translated into Spanish. This course was given by Dr. de Sarauw in 1917-18.

* Granted leave of absence for the year 1917-18.

Semitic Languages and Biblical Literature.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. Mr. Albert J. Edmunds presented to the college in 1907 his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighbouring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

GRADUATE COURSES.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialize in Hebrew or Assyrian. Students who offer Hebrew or Assyriology as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least six hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

Dr. Barton offers in 1917-18 and again in 1919-20 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions. In 1917-18 the seminary was given three hours a week.

Seminary in Aramaic and Arabic.

Two hours a week throughout the year.

(Not given in 1917-18.)

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected: a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Elementary Semitic Languages.

Two hours a week throughout the year.

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Egyptian.

One hour a week throughout the year.

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

(Not given in 1917-18.)

Seminary in Oriental Archæology.

One hour a week throughout the year.

The work of this course may be devoted to the archæology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archæological objects, of reports, criticisms, conferences, and occasional lectures. To meet the needs of students of ancient history, the seminary may in some years be devoted to the history of one of the countries mentioned. The work will then consist in a study of the sources of the history of the country chosen, and the proper method of using them.

In 1917-18 the seminary was given two hours a week, one hour devoted to Mesopotamian, and one hour to Egyptian Archæology.

Hebrew Literature.

One hour a week throughout the year.

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Dr. Barton offers in 1918-19 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

The work of the seminary is continued as given in 1917-18.

Comparative Semitic Grammar.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages. This course is given in the fourth year of the study of Semitic languages.

Ethiopic.

One hour a week throughout the year.

The grammar and *Chrestomathia* of Praetorius and Dillmann are used and in the latter part of the course selections are read from the book of Enoch.

Seminary in New Testament Greek.

One hour a week throughout the year.

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline. A course in Greek equivalent to the major course in Greek in Bryn Mawr College is required of students taking this seminary.

Seminary in the History of Religion.

One hour a week throughout the year.

The work of this seminary may be carried on in either of the following ways: By means of lectures, reports, and discussions the principal features of primitive religions are ascertained, and the principal civilized religions studied with special reference to origin, historical development, and religious point of view. The time may be devoted to investigating problems connected with one religion.

Dr. Barton offers each year one of the following free elective undergraduate courses in biblical literature; the course selected by the greater number of students will be given:

History of the Old Testament Canon.

Two hours a week throughout the year.

In this course the history of the composition of the books of the Old Testament and their collection into a canon are studied. Special attention is given to the literary form and purpose of each book.

History of the New Testament Canon.

Two hours a week throughout the year.

In this course the history of the composition and collection of the books of the New Testament is studied. The instruction is given in lectures, and reading is assigned in the New Testament and in modern literature concerning it.

New Testament Biography.

Two hours a week throughout the year.

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of Christian Doctrine.

Two hours a week throughout the year.

In the first semester the study is devoted to the Old Testament conceptions of God, Sin, and Redemption, and to Christianity as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

The Religions of the World.

Two hours a week throughout the year.

The course begins with a study in primitive religions of certain fundamental conceptions. The great historical religions of the world are then studied in outline with special reference to the origin, development, and fundamental ideas of each.

Dr. Barton offers in each year the following free elective undergraduate courses in Oriental History, which taken together cover the great civilizations of Asia and North Africa:

History of the Near East.

Three hours a week throughout the year.

This course treats in broad outlines the history and civilization of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal Oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilization of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilization. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

History of the Far East.

Two hours a week throughout the year.

This course treats in outline the history of China, India, and Japan from the earliest times to the present. It aims to acquaint the student with the origin, development, and principal features of the civilizations of those lands.

History.

The instruction in this department is under the direction of Dr. Howard Levi Gray, Professor of History, Dr. William Roy Smith, Professor of History, Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Dr. James Fulton Ferguson, Associate Professor of Latin and Ancient History.

GRADUATE COURSES.

Three distinct seminaries, one in English and European history, one in American history and one in Ancient history are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Gray conducts in each year the following graduate seminary:

Seminary in English and European History.

Three hours a week throughout the year.

In 1917-18 the subject of the seminary is England in the fifteenth century. The development of the art of war, the legislation of Lancastrian and Yorkist parliaments, the prosperity of towns and merchants, the influence of the Burgundian connection, and the effects of the Wars of the Roses are examined.

In 1918-19 England in the sixteenth century will be the subject of the seminary. The agrarian problem and the disorder connected with it, the increase of royal power at the expense of the old nobility, the rise of a new nobility, the renunciation by the English church of papal authority with the consequent administrative and dogmatic changes, the commercial and colonial ambitions of England, and the conflict with Spain will receive attention.

In 1919-20 the subject of the seminary will be a study of the reigns of Edward III and Richard II. The progress of the Hundred Years' War, the innovations in military science, the social changes wrought by the Black Death, the attitude of government and people toward the church, the causes of the Peasants' Revolt of 1381, the rise of a native merchant class, and the composition and power of Parliament will receive attention. Contemporary chronicles and state papers are the bases of study.

Dr. William Roy Smith conducts in each year the following graduate seminary:

Seminary in American History.

Two hours a week throughout the year.

In 1917-18 the subject of the seminary is slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1918-19 the Revolution, the Confederation, and the Constitution will be the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1919-20 the seminary will deal with the Civil War and Reconstruction. Special stress will be laid upon the social, economic, and political reorganization of the South, the North and the West and also of the nation as a whole during the period from 1861 to 1877.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Method and Bibliography.

Dr. Ferguson conducts the following graduate seminary:

Seminary in Ancient History.

Two hours a week throughout the year.

In 1917-18 the Hellenistic Age is the subject of the seminary. The development of the Hellenistic world is traced from the formation of permanent states down to the conquest of the east by Rome. Special emphasis is given to the intellectual awakening, the formation of Greek leagues, commercial activity, and the effect of the contact of the Greek and Roman worlds.

The following graduate course will be offered in each year:

Historical Method and Bibliography.

One hour a week throughout the year.

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. Throughout the course practical studies will be assigned to illustrate the subjects under discussion. A reading knowledge of French and German is required. This course must be elected by all students who offer the seminary in American History for the degree of Doctor of Philosophy.

Dr. Gray, Dr. William Roy Smith, and Dr. Ferguson conduct in each year the historical journal club.

Historical Journal Club.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

POST-MAJOR COURSES.

Dr. Gray offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

England to 1485.

Three hours a week throughout the year.

The transformation of Anglo-Saxon into Norman England, the constitutional and legal innovations of the Norman and Plantagenet kings, the intellectual and social condition of England at the height of the Middle Ages, and the effects of the Hundred Years' War are subjects of study. The more important documents and secondary works are discussed and written reports are required.

Dr. Gray offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

England under the Tudors.

Three hours a week throughout the year.

Attention will be given to the character of Tudor absolutism, parliamentary and local government, dynastic ambitions, foreign trade, the prosperity of the towns, the condition of the peasantry, the progress of the Reformation, and the complications in foreign affairs arising from religious changes. The reading and reports will be based largely upon contemporary documents.

Dr. William Roy Smith offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

American Constitutional History to 1783.

Two hours a week throughout the year.

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

Dr. William Roy Smith offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

American Constitutional History from 1783 to 1865.

Two hours a week throughout the year.

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-book used is MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Professor of Economics and Politics, and Dr. Charles Ghequiere Fenwick, Associate Professor (and Professor elect) of Political Science.

GRADUATE COURSES.

Two seminars, one in economics, and one in political science, are offered each year in addition to the direction of private reading and original research. Post-major courses amounting to five hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Marion Parris Smith offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

The object of the seminary is to train students in methods of research and to give them practice in using the sources of economic history and theory.

In 1917-18 Economic History and Economic Theory in the United States from 1793 to 1850 are studied.

In 1918-19 the Tariff, Currency and Banking in the United States will be the subjects of the seminary.

In 1919-20 the Theories and Problems of Distribution and the agencies in modern social life that effect the distribution of wealth are studied. Special attention is paid to wage problems, profit sharing, various plans for controlling large scale production, modern land systems, etc.

Dr. Fenwick offers in each year the following graduate seminary:

Political Seminary.

Three hours a week throughout the year.

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1917-18 Municipal Government is the subject of the seminary.

In 1918-19 Constitutional Questions involved in Modern Economic and Social Problems will be the subject of the seminary. The chief economic and social problems of the United States will be studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the proper functions of the state will be discussed.

In 1919-20 the Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state govern-

ments, interstate commerce, and due process of law under the Fourteenth Amendment. Students will be required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

Dr. Marion Parris Smith and Dr. Fenwick conduct in each year the economics and politics journal club.

Economics and Politics Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. Marion Parris Smith offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

Economic and Social Legislation in England and America since 1890.

Three hours a week throughout the year.

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, the unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed, as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

American Economic and Social Problems. *Two hours a week throughout the year.*

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban population; the development of city life; the problems of country life; immigration, the race problem; problems of food distribution and marketing, cost of living, etc. Special topics are assigned to students for reports and attention is given to the use of original source material.

Dr. Fenwick offers in 1917-18 and again in 1918-19 the following post-major course, open to graduate students:

International Law.

Two hours a week throughout the year.

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the rules relating to war and neutrality at the present time, greater attention is paid to these than to the laws prevailing between nations at peace.

Dr. Fenwick offers in 1919-20 the following post-major course, open to graduate students:

Constitutional Law of the United States.

Two hours a week throughout the year.

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

Dr. Fenwick offers in each year the following free elective course, open to graduate students:

Elements of Private Law.

One hour a week throughout the year.

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of Procedure. The lectures are supplemented by a study and discussion of court cases bearing on the subject.

Social Economy and Social Research.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research.

This department was opened in the autumn of 1915 and is known as the Carola Woerishoffer Graduate Department of Social Economy and Social Research in order that the name of Carola Woerishoffer may be associated in a fitting and lasting way with Bryn Mawr College which she so generously endowed. The department affords women an opportunity of obtaining advanced scientific training in philanthropy and social service to which Carola Woerishoffer devoted her life.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Economy and Social Research, Miss Angie Lillian Kellogg, Instructor (and Associate elect) in Social Economy and Social Research, Miss Clara E. Mortenson, Instructor in Economics and Politics and in Social Economy, Miss Anna Christine McBride, Reader in Statistics and Secretary to the Department of Social Economy and Social Research, with the co-operation of the following members of the closely allied departments of Economics and Politics, Psychology,

Education, and Philosophy: Dr. Marion Parris Smith, Professor of Economics; Dr. Charles Ghequiere Fenwick, Associate Professor of Political Science; Dr. Theodore de Leo de Laguna, Professor of Philosophy; Dr. James H. Leuba, Professor of Psychology and Education; Dr. Clarence Errol Ferree, Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Applied Psychology; Dr. Matilde Castro, Professor of Education; Dr. David Hilt Tennent, Professor of Biology, and Dr. M. Leola Carrico, Assistant Resident Physician of the College. The seminars and courses given by these instructors and enumerated below are specially adapted for students of Social Economy and Social Research.

The courses in Social Economy and Social Research are intended for graduate students who may present a diploma from some college of acknowledged standing. No undergraduate students are admitted although graduate students in the department in addition to the undergraduate courses in economics and political science may elect, subject to the approval of the Director, undergraduate courses in other subjects.

Students of this department should offer for admission to their graduate work a preliminary course in economics, and more advanced courses equivalent to the Bryn Mawr College major course in economics, politics, psychology, philosophy, or history, and also preliminary work in psychology or biology, or should follow such courses while taking the work of the department.

The courses are planned for one, two, and three years, on the principle that about two-thirds of the student's time shall be given to the study of theory and statistics and the remaining one-third to practical work and investigation in her chosen field. After one year of work in this department one half year may be spent in residence in a social service institution or in connection with a social welfare organization in Philadelphia, or New York, or elsewhere, during which time the practical work and special reading and research will be supervised by the Director of the Department and the head of the institution or organization.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and cooperation of the Philadelphia social agencies to secure for its students definite affiliations with organizations in the fields chosen by them and a knowledge of the extent and character of such social activities in the city. This has led in the years 1915-17 to an arrangement for co-operative work with the College Settlement, the Criminal Division of the Municipal Court, the Society for Organizing Charity, the Division of Employment of the Bureau of Compulsory Education, the Women's Trade Union League, the Social Service Departments of the University of Pennsylvania Hospital and of the Pennsylvania Hospital, the Bryn Mawr Community Center, the Massachusetts Minimum Wage Commission, the Federal Children's Bureau, the Children's Aid Society, the Juvenile Court, and the Consumers' League, the State Committee on Women in Industry of the Council of National Defense, and the Committee on Enlistment and Placement of the State Department of Public Safety.

Graduates of colleges other than Bryn Mawr College with the preparation specified above who are able to study for one year only will receive diplomas certifying to the work they have taken. As the degree of Master of Arts is conferred only on graduates of Bryn Mawr College it is hoped that this diploma will in many cases be accepted for the master's degree in the colleges and universities from which students have received their bachelor's degree. Graduates of Bryn Mawr College may receive the degree of Master of Arts in Social Economy and Social Research under the conditions prescribed for this degree.

Graduate students that have completed the above preliminary work in Economics and Political Science, or its equivalent who are able to study for two years only will receive a diploma certifying to the work they have taken in the Graduate Department of Social Economy and Social Research.

The degree of Doctor of Philosophy in Social Economy and Social Research is open to graduates of all colleges of high standing under the conditions prescribed for this degree in Bryn Mawr College.

Candidates for the degree of Doctor of Philosophy in Social Economy and Social Research may select the associated or dependent minor from the following seminaries and graduate courses and from other graduate seminaries or courses, subject to the approval of the Graduate Committee.

Four seminars, two graduate courses, and a practicum counting as a seminary are given each year in the Carola Woerishoffer Department in addition to seminars and courses in economics, politics, education, philosophy, and psychology. Direction of investigation and research in special fields, and supervision of the practicum in social service and welfare accompanies the seminars and courses. The seminars and courses announced by the department are given in rotation so that different courses may be taken through three consecutive years. The selection of courses depends upon the field of social work which the student may choose. A seminary in Social Economy or a seminary in Social Theory, and, unless previously taken, a post-major course in Elements of Statistics and Methods of Social Research are required of all students of the department.

GRADUATE COURSES.

The following graduate courses may be elected subject to the approval of the Director of the Department by students working for the first and second year diplomas as well as by candidates for the degree of Master of Arts or of Doctor of Philosophy in Social Economy and Social Research.

Dr. Kingsbury offers in each year the following graduate seminary:

Seminary in Social Research.

Three hours a week throughout the year.

In 1917-18 the subject of the seminary is Women in Industry, accompanied by field research in Philadelphia.

In 1918-19 the subject of the seminary will be Income and Wages of Families in Industrial Pursuits, with special reference to married women in industry.

In 1919-20 the seminary will be selected from the following aspects of Social and Industrial Problems: (1) social relations, (2) vocational opportunities and demands, (3) standards of living, including income and wages, (4) the relation of health and industry, (5) industrial relations of women and minors. Research including field work with conferences will be required of research fellows and scholars and will be offered to every student. A group of students may co-operate to produce a study which, it is hoped, will prove a contribution to our knowledge of the social or industrial conditions investigated.

As the chief subjects of investigation will vary from year to year, as noted above, it will be possible for students to follow the work of the seminary for three consecutive years.

Miss Kellogg offers in 1917-18 and again in 1919-20 the following graduate seminary:

Seminary in Social Institutions.

Two hours a week throughout the year.

The subject of the seminary is a study of domestic relations, kinship groups, marriage and the family, industrial organizations, the church, the state, schools, courts of justice, classes, and rights.

Miss Kellogg offers in 1918-19 and again in 1920-21 the following graduate seminary:

Seminary in Social Origins and Social Evolution.

Two hours a week throughout the year.

The phases of Social Theory studied are the sentiments, the political and moral tendencies, and the religious and mental traits of primitive man as expressed in language, material invention, activities, and formation, dispersions and struggles of primitive groups.

Miss McBride offers in each year the following graduate course:

Advanced Social Statistics.

Two hours a week throughout the year.

This course attempts to study intensively the subjects of correlation and causation, or the functional relationships between series of facts. The main considerations of the course are the method of least squares, the theory of linear correlation, spurious correlation, skew correlation, partial correlation, and the theory of contingency.

The course must be preceded or accompanied by the course in Elements of Statistics or its equivalent, and a foundation in mathematics including the Calculus is desirable to facilitate ease in comprehension.

If accompanied by the Special Laboratory Problems in Statistics sufficient work may be assigned to make the course equivalent to a seminary.

Special Laboratory Problems in Statistics.

Seven hours a week throughout the year.

This course is offered in each year in connection with the course in Advanced Social Statistics and in connection with that course sufficient work may be assigned to make the course equivalent to a seminary.

Miss Mortenson offers in 1917-18 the following graduate seminary:

Trade Unionism.

Two hours a week throughout the year.

This seminary is devoted to an intensive study of Trade Unionism, its aims, principles, policies, demands, and methods. Some secondary material is used, but for the most part primary sources form the basis for study. Opportunity is given the student to attend union meetings, meet union officials, and read union constitutions, reports, records, trade agreements, and periodicals.

Dr. Bezanson offers in 1918-19 the following graduate seminary:

Methods of Promoting Industrial Peace. *Two hours a week throughout the year.*

In this seminary will be studied profit sharing, welfare arrangements, sliding scale, collective bargaining, conciliation, mediation and arbitration. A special study will be made of the methods used during the war to secure harmony between Capital and Labour.

Dr. Bezanson offers in 1919-20 the following graduate seminary:

Industrial Organization.

Two hours a week throughout the year.

This seminary undertakes a study of business organization as an element in industrial society. The aspects of the industrial combination in its effects upon efficiency, and wages, are especially emphasized.

Miss Kellogg offers in each year the following graduate courses:

Social Treatment of Dependents. *Three hours a week during the first semester.*

This course involves a study of the principles, methods, and agencies employed for the prevention, relief and cure of dependency, defectiveness, and delinquency, such as family case-work, outdoor relief, and institutional care. This course is planned to accompany the seminary in Social Economy including the practicum in Social Relief and Social Education.

Social Treatment of Delinquents and Defectives.

Three hours a week during the second semester.

This course involves a study of the principles, methods, agencies and institutions employed for the prevention, care and cure of defectives and delinquents, such as juvenile courts, probation and parole systems, the indeterminate sentence and psychological laboratories in connection with the courts. This course is planned to accompany the seminary in social economy including the practicum in Social Guardianship.

Miss Kellogg offers in each year the following graduate course:

Social Administration.

Two hours a week during the first semester.

The object of this course is to study the functions and departments of state boards of charities and corrections; state boards of education; organized charities; other social welfare reformatory and educational institutions; boards of managers' and superintendents' reports; and especially the making of statistical reports and budgets.

Miss Kellogg offers in each year the following graduate course:

Legal Procedure in cases involving women and children.

Two hours a week during the second semester.

The administrative side of the law affecting women and children is presented in this course. It includes a study of the law as applied in juvenile courts, domestic relations courts, and other municipal courts.

The following courses are open to graduate students by special arrangement:

Criminal Law.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Law offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course may accompany the course in Social Treatment of Delinquents and Defectives (Criminology) and the course in Legal Procedure in cases involving women and children.

Criminal Procedure.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Procedure offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course must be preceded by the course in Criminal Law.

Dr. Castro offers in 1919-20 and in each succeeding year the following graduate seminary:

Essentials of Educational Theory and Practice for Social Workers.

Two hours a week during the second semester.

The subjects studied in this course are selected so as to serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Dr. Marion Parris Smith offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

In 1917-18 Economic History and Economic Theory in the United States from 1793 to 1850 are studied.

In 1918-19 Studies in the Tariff, Currency and Banking in the United States will be the subjects of the seminary.

In 1919-20 the Theories and Problems of Distribution and the agencies in modern social life that affect the distribution of wealth will be studied. Special attention will be paid to wage problems, profit sharing, various plans for controlling large scale production, modern land systems, etc.

Dr. Fenwick offers in each year the following graduate seminary:

Political Seminary.

Three hours a week throughout the year.

In 1917-18 Municipal Government is the subject of the seminary.

In 1918-19 Constitutional questions involved in modern economic and social problems will be the subject of the seminary. The chief economic and social problems of the United States will be studied from the point of view of the restrictions placed by the Constitution on the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the proper functions of the State will be discussed.

In 1919-20 Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

Dr. Leuba offers in each year the following graduate seminary:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: instinct, feeling, and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology, arrested mental development, and its social and educational implications, etc.) animal behaviour.

Dr. Leuba offers in each year the following graduate seminary:

Seminary in Social Psychology.

Two hours a week during the first semester.

In 1917-18 and again in 1919-20 Temperament and Character, their instinctive and emotional foundation, will be the subject of the seminary.

In 1918-19 and again in 1920-21 the principles of social psychology and their applications to social problems are the subject of the seminary.

This seminary is open to students who have pursued an elementary course in Psychology. It may be elected separately or may be combined with the seminary in Social and Political Philosophy given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

Dr. Theodore de Laguna offers in each year the following graduate seminary:

Seminary in Social and Political Philosophy.

Two hours a week during the second semester.

The topics chosen for discussion will vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education. This seminary is open to students who have pursued an elementary course in Philosophy. It may be elected separately or may be combined with the seminary in social psychology given in the first semester to count as a seminary in the Department of Social Economy and Social Research.

Dr. Castro offers in each year the following graduate seminary:

Seminary in Principles and Methods of Education.

Three hours a week throughout the year.

In the seminary the principles and methods of education which bear most directly on the selection and teaching of the school curriculum are considered. For members of the seminary who prove to be qualified, opportunities will be afforded for practice in teaching individual children or small groups of Model School pupils who may require special instruction. Observation of classes in the Model School and elsewhere will be part of the required work. In 1917-18 Child Study is the central topic of the seminary.

Dr. Rand offers in each year the following graduate seminary:

Seminary in Applied Psychology.

Two hours a week throughout the year.

Laboratory Work.

Four hours a week throughout the year.

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults, adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests, their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reaction to the tests as well as practice in giving the tests. Later the work will be with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Special Laboratory Problems in Applied Psychology.

Four hours a week throughout the year.

This course is offered in connection with the course in Applied Psychology to students who wish to pursue more advanced work.

Dr. Kingsbury and Miss Kellogg offer in each year the following graduate seminary:

Seminary in Social Economy, including the Practicum.

Two hours a week throughout the year.

This seminary combines practical work in one of the following fields with reading, reports, and discussions: (a) Social Relief; (b) Social Guardianship; (c) Social Education. In connection with this seminary each student should take a corresponding course in theory: (a) Social Treatment of Dependents; (b) Social Treatment of Delinquents and Defectives; (c) Essentials of Educational Theory and Practice for Social Workers. One-third of the time of each student* in the department should be devoted to a practicum which shall come under the joint direction of a member of the department of Social Economy and the head of the social welfare institution with which the student elects to take this work. The work must be of a sufficiently practical character to give the student both the necessary training to fit her to enter her selected field at the close of the course and at the same time a general knowledge of the subject and a theoretical understanding of its problems, methods, and technique.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies to secure for its students definite affiliations with organizations in the fields chosen by them and a knowledge of the extent and character of such social activities in the city. This has led in the years 1915-16 to 1917-18 to an arrangement for co-operative work with the College Settlement under Miss Anna Davies, the Criminal Division of the Municipal Court under Dr. Louise Stevens Bryant, the Society for Organizing Charity under Miss Betsey Libbey, the Division of Employment of the Bureau of Compulsory Education under Mr. Henry J. Gideon and Miss Anna Pratt, the Women's Trade Union League under Miss Florence Sanville, the Social Service Department of the Hospital of the University of Pennsylvania under Mrs. Helen Glenn Tyson and Miss S. Sawtelle and of the Pennsylvania Hospital under Mrs. Magee, the Children's Bureau under Mr. M. Byall, the Bryn Mawr Community Center under Miss Hilda W. Smith, the Massachusetts Minimum Wage Commission under Miss Nathalie Matthews, the Federal Children's Bureau under Miss Julia Lathrop, the Children's Aid Society under Mr. E. D. Solenberger, the Juvenile Court under Mrs. Jane Rippin, and the Consumers' League under Miss Lauder.

Dr. Kingsbury, Miss Kellogg, Miss McBride and Miss Mortenson conduct in each year the Social Economy Journal Club.

Social Economy Journal Club.

Two hours once a fortnight throughout the year.

Current books and articles are reviewed, recent reports, surveys and investigations are criticized, and the results of important research are presented for discussion.

Dr. Carrico offers in 1917-18 and in each succeeding year the following graduate course, open to students working in the department:

Social Hygiene.

One hour a week during the first semester.

* Candidates who have had satisfactory experience in their chosen field may devote all their time to courses in theory and allied subjects.

The following advanced undergraduate courses are offered to students in the department:

Dr. Kingsbury offers in each year the following post-major courses, open to graduate students:

Organized Effort for Social Betterment.

Two hours a week during the first semester.

A brief survey of the origin, growth, and present methods of the most important social service and social welfare organizations will be presented in order to acquaint the student with the fields of activity in which social work is being carried on: (1) social education, through settlements, civic centres or other neighbourhood organizations; (2) improvements of industrial conditions, through associations for labor legislation, labor organizations, or consumers' efforts; (3) vocational guidance, through vocational advising, through placement, or through adjustment of employment; (4) child welfare, through societies for care and protection of children; (5) family care, through organizations for the reduction and prevention of poverty; (6) social guardianship, through the probation work in the juvenile courts or corrective institutions.

Methods and Sources of Social Research.

Two hours a week during the second semester.

The object of the course is to acquaint the student with the sources of social statistical information and methods of securing, analyzing, interpreting and presenting social data. Preparation of the various types of schedules, tabulation of information secured, and the preparation of tables are among the subjects considered. The course concludes with a critical study of the methods used in social economic investigations and of reports by federal and state departments and by private organizations. This course must be accompanied by the course in Elements of Statistics.

Miss McBride offers in each year the following free elective course, open to graduate students:

Elements of Statistics.

One hour a week throughout the year.

This course deals with the elementary principles of statistics and their application. Among the topics are the array, frequency distributions, averages, measures of variation, probability and theory of errors, theory of sampling, index numbers, logarithmic curves, graphic methods, comparisons, and the elements of linear correlation.

The course is recommended to students of social economy and of economics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

Dr. Marion Parris Smith offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

Economic and Social Legislation in England and America since 1890.

Three hours a week throughout the year.

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wage, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed, as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

American Economic and Social Problems.

Two hours a week throughout the year.

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban population; immigration, the race problem; the development of city life; the problems of country life; problems of food distribution and marketing, cost of living, etc. Special topics are assigned to students for reports and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in each year the following major course, open to graduate students:

History of Economic Thought.

Five hours a week during the second semester.

The object of this course is to give advanced students an historical introduction to modern economic thought as a basis for a critical study of modern economic problems. The successive changes in the theory of value and of distribution since the middle of the eighteenth century are studied with special reference, first, to the philosophical and speculative thought, and second, to the industrial institutions of the times.

The students will be expected to read critically portions of standard texts, including Adam Smith's *Wealth of Nation*; Ricardo's *Principles of Political Economy and Taxation*; Malthus's *Principles of Population*; Senior's *Political Economy*; J. S. Mill's *Principles of Political Economy*; Jevon's *Political Economy*; and selections from the writings of Marshall, Wicksteed, Boehm-Bawerk, Wieser, J. B. Clark, Pantaleoni and others. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

Dr. Fenwick offers in each year the following major course, open to graduate students:

Present Political Problems.

Five hours a week during the first semester.

The object of this course is to present the chief political problems which have arisen in recent years. The several branches of the federal and state governments are taken up one by one and such questions are discussed as: the influence of the Executive over Congress; the conflict between treaties and legislation; the relation of the administrative departments to Congress; Committee rule in Congress; the growth of judicial power and proposals for restricting it; the courts and social legislation; the initiative, referendum, and recall; Commission government in cities, etc. The course will be preceded by a brief study of modern theories relating to the end and object of the state, with the object of ascertaining the proper sphere of the activities of the state.

Dr. Fenwick offers in each year the following free elective course, open to graduate students:

Elements of Private Law.

One hour a week throughout the year.

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of Procedure. The lectures are supplemented by a study and discussion of judicial decisions bearing on the subject.

Dr. Rand offers in each year the following major course, open to graduate students:

Applied Psychology.

Five hours a week during the second semester.

The specific applications of psychology form the subject matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of the mental equipment of children of different ages and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered. Four hours a week of laboratory work is required from students taking the course. A knowledge of psychology equivalent to that obtained in the minor course is presupposed.

Dr. Ferree and Dr. Rand offer in each year the following minor course:

Experimental Psychology.

Five hours a week during the first semester.

Laboratory Work.

Four hours a week during the first semester.

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. The laboratory work consists of individual practice in selected topics.

Dr. Grace de Laguna offers in each year the following major course, open to graduate students:

Elementary Ethics.

Five hours a week during the second semester.

Dr. Leuba offers in each year the following major course, open to graduate students:

Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Ethics, Science and Art.

Five hours a week during the first semester.

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a crowd, a clique, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. The social institutions magic, religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This is an historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. Grace Mead Andrus de Laguna, Associate Professor of Philosophy, and Dr. Ethel Ernestine Sabin, Associate in Philosophy.

GRADUATE COURSES.

A seminary in logic and metaphysics is offered each year and a seminary in ethics and one in the history of philosophy are offered in alternate years. The subjects of study are changed from year to year through a cycle of four years. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing Philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Theodore de Laguna conducts in alternate years the following graduate seminary:

Ethical Seminary.

Two hours a week throughout the year.

In 1917-18 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticized by Green, Sorley, Huxley, Pringle-Pattison, and Rashdall, is the subject of the seminary. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1919-20 the subject will be Recent French Ethics: Durkheim, Levy-Bruhl, Fouillée, Belot, and Paulhan.

Dr. Grace de Laguna conducts in alternate years the following graduate seminary:

Seminary in Logic and Metaphysics.

Two hours a week throughout the year.

In 1917-18 Contemporary Realism as represented by Moore, Russell, Alexander, Perry, McGilvary, and Fullerton is the subject of the seminary.

In 1919-20 the Nature of Consciousness will be the subject of the seminary. During the first semester the psychophysical aspect is examined and during the second semester the epistemological aspect.

Dr. Theodore de Laguna conducts in alternate years the following graduate seminary:

Seminary in Logic and Metaphysics.

Two hours a week throughout the year.

In 1918-19 English Empiricism will be discussed in the seminary. Special attention will be paid to its connections with associationism, and to the development of the theory of scientific method.

In 1920-21 Inductive and Genetic logic will be the subject of the seminary. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin are the basis of investigation.

Dr. Sabin conducts in alternate years the following graduate seminary:

Seminary in the History of Philosophy. *Two hours a week throughout the year.*

In 1918-19 Descartes and Spinoza will be studied with special reference to their view of the relation between idea and object.

In 1920-21 the philosophy of Kant will be the subject of the seminary. The principal writings of the critical period are read and a careful study is made of the final organization of Kant's system in the *Critique of Judgment*.

Dr. Theodore de Laguna offers in each year the following graduate seminary:

Seminary in Social and Political Philosophy.

Two hours a week during the second semester.

The topics chosen for discussion will vary from year to year. Prominent among them will be: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education.

This seminary may be elected separately, or may be combined with the seminary in Social Psychology, given two hours a week during the first semester, as a seminary for students in the Department of Social Economy and Social Research.

Dr. Theodore de Laguna, Dr. Grace de Laguna, and Dr. Sabin conduct in each year the philosophical journal club.

Philosophical Journal Club. *Two hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

The following advanced undergraduate courses may be attended by graduate students:

Dr. Theodore de Laguna offers in each year the following courses:

History of Philosophy. *Five hours a week during the first semester.*

Ancient philosophy is very briefly treated. The greater part of the course is devoted to the discussion of selections from the principal writings of Bacon, Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume.

Recent Philosophical Tendencies. *Five hours a week during the second semester.*

This course includes a discussion of such theories as pragmatism, idealism, neo-realism, etc.

Dr. Sabin offers in each year the following course:

From Kant to Spencer. *Five hours a week during the first semester.*

The course is principally occupied with the development of the post-Kantian idealism, and with the naturalistic systems of Comte, J. S. Mill, and Spencer.

Dr. Grace de Laguna offers in 1918-19 the following course:

Elementary Logic and Ethics. *Five hours a week during the second semester.*

Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Applied Psychology, and Dr. Ethel Ernestine Sabin, Associate in Philosophy, Miss Elizabeth Kline Stark, Assistant Demonstrator in Experimental Psychology and Miss Mildred Clark Jacobs, Assistant Demonstrator in Applied Psychology.

GRADUATE COURSES.

Twelve hours of graduate lectures and seminary work are offered in each year in addition to the direction of private reading and original research. Ten hours a week of advanced undergraduate courses are also open to graduate students. The laboratories of experimental psychology are open for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

Dr. Leuba offers in each year the following graduate seminaries:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: instinct, feeling and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology, arrested mental development, and its social and educational implications, etc.); animal behaviour.

Seminary in Social Psychology.

Two hours a week during the first semester.

In 1917-18 and again in 1919-20 temperament and character and their instinctive and emotional foundation will be studied.

In 1918-19 and again in 1920-21 the principles of social psychology and their applications to problems of industry are the subject of the seminary.

This seminary together with the seminary in social philosophy, given in the second semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Dr. Ferree offers in each year the following graduate seminary:

Seminary in Systematic Psychology.

Three hours a week throughout the year.

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics; sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes,

attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Laboratory Work.

The laboratory work consists of individual practice and research.

Dr. Ferree and Dr. Rand offer in each year the following seminary:

Seminary in Research Methods and Problems.

Three hours a week throughout the year.

The object of this seminary is to give training in research. In addition to the work in the laboratory supplementary reading, reports and discussions are required. In special cases the course may be elected for a greater number of hours.

Dr. Rand conducts in each year the following seminary:

Seminary in Applied Psychology.

Two hours a week throughout the year.

Laboratory Work.

Four hours a week throughout the year.

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults and adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests and their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reactions to the tests as well as practice in giving the tests. Later the work is with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Special Laboratory Problems in Applied Psychology.

Four hours a week throughout the year.

This course is offered to students who have attended the seminary in Applied Psychology and wish to pursue more advanced work.

Dr. Leuba, Dr. Ferree and Dr. Rand together conduct in each year the psychological journal club.

Psychological Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

The following advanced undergraduate courses may be attended by graduate students:

Dr. Leuba offers in each year the following courses:

Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Ethics, Science and Art.

Five hours a week during the first semester.

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a crowd, a club, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. Religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

The Psychology of Instinct and Emotion, and Animal Behaviour.

Five hours a week during the second semester.

Although the course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

Dr. Ferree and Dr. Rand offer in each year the following course:

Experimental Psychology.

Five hours a week during the first semester.

Laboratory Work.

Four hours a week during the first semester.

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. The laboratory work consists of individual practice.

Dr. Ferree offers in each year the following course:

Advanced Experimental Psychology.

Two hours a week throughout the year.

This course consists of five hours laboratory work a week, the students being assigned problems to investigate.

Dr. Rand offers in each year the following course:

Applied Psychology.

Five hours a week during the second semester.

Laboratory Work.

Four hours a week throughout the second semester.

The specific applications of psychology form the subject matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of the mental equipment of children of different ages and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered.

Education.

This Department is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.

The instruction in Education is under the direction of Dr. Matilde Castro, Professor of Education and Director of the

Phebe Anna Thorne Model School, Professor James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Professor of Experimental Psychology and Director of the Psychological Laboratory, and Dr. Ada Hart Arlitt, Associate in Educational Psychology.

The work of the Department of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges receive diplomas certifying to the work that they have taken in the Graduate Department of Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne Model School.

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted at ten years of age and will be fitted to enter Bryn Mawr and other colleges

on the completion of a seven years' school course based on the soundest available theory and practice of teaching to be found in this country or abroad. Wherever a new method of teaching a subject is known to have succeeded it will be studied and introduced into the model school and the results on the pupils of different methods of teaching the same subjects will be tested and compared. It is believed that the opportunity thus afforded of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

In addition to two seminaries in education, and a seminary in the study of children and in educational psychology there are offered in each year

EDUCATION.

Corrigenda.

P. 97, line 17. For "experimental and systematic psychology" read "educational psychology." The requirement of experimental and systematic psychology as an associated minor for graduate students taking education as their major subject for the degree of Doctor of Philosophy has been dropped. The list of approved independent and associated minors will be found in the Regulations of the Academic Council.

P. 98, last line. The undergraduate course in Experimental Psychology is no longer required of graduate students of education.

P. 25, line 25. After Psychology insert Education.

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Educational Psychology. *Three hours a week throughout the year.*

The seminary considers the main categories of educational psychology and studies especially the psychology of school and high school subjects. If the student's training in psychology has been inadequate she is required to take the seminary in Educational Methods and Measurements either as a preliminary seminary or by special permission at the same time.

Phebe Anna Thorne Model School, Professor James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Professor of Experimental Psychology and Director of the Psychological Laboratory, and Dr. Ada Hart Arlitt, Associate in Educational Psychology.

The work of the Department of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the

Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted at ten years of age and will be fitted to enter Bryn Mawr and other colleges

on the completion of a seven years' school course based on the soundest available theory and practice of teaching to be found in this country or abroad. Wherever a new method of teaching a subject is known to have succeeded it will be studied and introduced into the model school and the results on the pupils of different methods of teaching the same subjects will be tested and compared. It is believed that the opportunity thus afforded of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

In addition to two seminaries in education, and a seminary in the study of children and in educational psychology there are offered in each year observation classes in the Phebe Anna Thorne Model School and courses in systematic and experimental psychology recommended to students of education. Students electing education as their major subject for the degree of Doctor of Philosophy must elect experimental and systematic psychology as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Dr. Castro offers in 1917-18 the following graduate seminary:

Seminary in Principles and Methods of Education.

Three hours a week throughout the year.

The principles of education and the methods which bear most directly on the selection and teaching of the school curriculum are the subject of the seminary.

Child Study forms the central topic of the seminary. The study of the growth rhythms and mental development of the child from infancy through typical stages of physical, mental, and moral development will be the point of departure for the consideration of special problems in educational theory and practice.

Dr. Castro offers in 1918-19 and in each succeeding year the following graduate seminaries:

Seminary in Educational Methods and Measurements.

Three hours throughout the year.

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Educational Psychology. *Three hours a week throughout the year.*

The seminary considers the main categories of educational psychology and studies especially the psychology of school and high school subjects. If the student's training in psychology has been inadequate she is required to take the seminary in Educational Methods and Measurements either as a preliminary seminary or by special permission at the same time.

Dr. Arlitt offers in 1917-18 and in each succeeding year the following graduate seminary:

Seminary in Intelligence Tests. *Two hours a week throughout the year.*

Laboratory Work in Intelligence Tests. *Four hours a week throughout the year.*

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Dr. Castro and Dr. Arlitt together conduct the journal club.

Journal Club in Education. *Two hours once a fortnight throughout the year.*

The advanced students meet with the instructors once a fortnight to hear or read reports on the literature of the subject.

In addition to the above courses the following courses in education and in other departments are adapted to the needs of graduate students in the department of education:

Dr. Castro gives in each year the following undergraduate course, open to graduate students:

Education. *Two hours a week throughout the year.*

The course discusses modern educational problems. It is designed primarily to meet the needs of students who intend to teach but will also be of service to students who are interested in the development of children.

Dr. Arlitt offers in 1918-19 and in each succeeding year the following undergraduate course, open to graduate students:

Experimental Educational Psychology. *Three hours a week throughout the year.*

Laboratory Work. *Two hours a week throughout the year.*

The course covers the general field of educational psychology from the point of view of laboratory experiments. Special stress is laid on the learning process.

Dr. Ferree offers in each year the following graduate seminary:

Seminary in Systematic Psychology. *Three hours a week throughout the year.*

This seminary is intended for graduate students who have already taken a course in experimental psychology and gives a systematic presentation of the literature of experimental psychology. Due consideration, however, is paid to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.) The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Dr. Ferree offers in each year the following undergraduate course, open to graduate students:

Experimental Psychology. *Five hours a week during the first semester.*

This is an undergraduate course forming part of the minor or second year's work in psychology and all graduate students of education are required to take this course or to

have taken its equivalent. It should be taken in the first year of graduate work in education as a preparation for the seminary in systematic psychology by students who have not had equivalent work. Four hours a week of laboratory work are required in connection with this course.

Mr. King offers in each year the following graduate course:

English Enunciation.

One hour once a fortnight throughout the year.

Classical Archæology.

The instruction in this department is under the direction of Dr. Joseph Clark Hoppin, Professor of Classical Archæology, Dr. Rhys Carpenter,* Associate Professor and Professor (elect) of Classical Archæology and Dr. Mary Hamilton Swindler, Instructor in Latin and Archæology.

An archæological seminary of two hours a week and a graduate course of one hour a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week, affording a complete series of instruction in the various branches of classical archæology. It is recommended that those who elect archæology as a major subject should offer the general course in Archæology, Ancient Athens, and Ancient Rome, during their first year, reserving for their second year the courses on Ancient Architecture, Ancient Painting and Vases, Ancient Egypt and Crete.

All the undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison.

GRADUATE COURSES.

A seminary in archæology and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course

* Granted leave of absence for 1917-19 for military service.

in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Hoppin conducts in each year the following graduate seminary:

Archæological Seminary.

Two hours a week throughout the year.

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1917-18 Greek vase painting is studied in the first semester, and Roman architecture in the second semester.

In 1918-19 fifth century Greek sculpture will be the subject of the seminary in the first semester, and fifth century Greek vases in the second semester.

In 1919-20 Greek minor arts (coins, gems, terra-cotta) are studied.

Dr. Swindler offers in each year the following graduate courses:

Ægean Archæology with emphasis on the recent discoveries in Crete.

One hour a week during the first semester.

Ancient Painting.

One hour a week during the second semester.

The work includes a detailed survey of Cretan frescoes, painted plaques, stelæ, and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration and the mummy portraits from the Fayûm.

Dr. Hoppin and Dr. Swindler together conduct in each year the archæological journal club:

Archæological Journal Club. *One and a half hours a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

The following undergraduate courses may be attended by graduate students:

Dr. Hoppin offers in each year the following minor and major courses:

General Archæology.

Three hours a week throughout the year.

The course is an introduction to the study of classical archæology. It will include architecture, sculpture, vases, coins, gems, bronzes, toreutics and terra-cottas, omitting epigraphy and topography.

(Not given in 1918-19.)

Greek Sculpture.

Three hours a week throughout the year.

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

Ancient Egypt.*Three hours a week during the first semester.*

The history and art of Ancient Egypt, with special attention to architecture and painting.

Topography and Monuments of Ancient Athens.*Two hours a week during the first semester.***Crete and Prehistoric Greece.***Three hours a week during the second semester.***Ancient Architecture.***Two hours a week during the second semester.*

Dr. Swindler offers in each year the following minor and major courses:

Ancient Painting and Vases.*Two hours a week during the first semester.*

The course traces the development of ancient painting. It further forms an introduction to the mythology and daily life of Greece, through the study of designs on Greek vases.

Ancient Rome.*Two hours a week during the second semester.*

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended both as an archæological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

This course supplements that on Ancient Athens given in the first semester.

History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King, Professor of the History of Art, and Miss Helen Lathrop, Demonstrator in the History of Art.

GRADUATE COURSES.

A seminary in History of Art of two hours a week throughout the year is offered to graduate students who have done elementary work in history of art.

In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of the Academic Council.

Miss King conducts in each year the following graduate seminary and journal club:

Seminary in Modern Art.*Two hours a week throughout the year.*

In addition to working with books and photographs the students will be required to make short day-trips to study pictures.

In 1917-18 the subject is Modern Art from the commencement of the romantic movements to the contemporary theories. Students are expected to be familiar already with the Old Masters, and to read French and German. Arrangements will be made for trips to Philadelphia and New York to study new pictures.

In 1918-19 the subject of the seminary will be the Spanish Primitives.

In 1919-20 the subject will be the Theory and Practice of Connoisseurship. The Morelian method will be examined and appraised, the value of documentary evidence discussed, and the different conditions affecting the study of different schools considered. Students will have access to a large collection of photographs and several private collections of paintings.

Journal Club in Modern Art.

Two hours once a fortnight throughout the year.

The following undergraduate courses may be attended by graduate students:

Miss King offers each year the following minor and major courses:

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century. *Three hours a week throughout the year.*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Gothic Architecture.

Two hours a week throughout the year.

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture. The course is illustrated with photographs and lantern slides.

Painting in the Seventeenth and Eighteenth Centuries.

Three hours a week throughout the year.

In the first semester the Flemish, Dutch, and German painters are studied, in the second semester the French, Spanish, and English.

Renaissance Sculpture.

Two hours a week throughout the year.

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the building of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion. The course is illustrated with photographs and lantern slides.

POST-MAJOR COURSES.

Miss King offers in 1917-18 the following post-major course, open to graduate students:

Modern Painting.

Three hours a week throughout the year.

This course is open only to students who have completed the minor and major work in history of art or its equivalent. It deals with the history of painting since 1800 and comes down to the present year. Students are expected to make trips to Philadelphia and the neighbourhood to study pictures as often as may seem necessary.

Miss King offers in 1918-19 the following post-major course, open to graduate students:

Spanish Painting.*Three hours a week throughout the year.*

This course is open only to students who have completed the minor and major work in history of art, or an equivalent course. The sources and development of Spanish painting will be considered from the early miniature painters down to living painters. Students will be expected to learn something about the Spanish character and history and to make short trips to see paintings on exhibition in America.

FREE ELECTIVE COURSE.

Miss King offers in 1918-19 the following free elective course, open to graduate students:

Renaissance Architecture.*Two hours a week throughout the year.*

The architecture of the Italian Renaissance will be studied in the first semester, that of France, Germany, Spain and England in the second semester. Lantern slides and photographs will be used for illustration.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. Olive Clio Hazlett, Associate in Mathematics.

GRADUATE COURSES.

The graduate courses consist of lectures and seminary work supplemented by private reading under the direction of the instructors, the courses being arranged each year with reference to the wishes and degree of preparation of the students concerned. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Scott offers in 1917-18 the following graduate seminary:

General Course in Higher Plane Curves. *Two hours a week throughout the year.*

During the first semester the seminary deals with general processes of analytical geometry as applied to plane algebraic curves. The second semester is devoted principally to the properties of cubic and quartic curves.

Dr. Scott offers in 1918-19 the following graduate seminary:

Geometry on a Curve and Linear Systems of Curves.*Two hours a week throughout the year.*

The intention is to follow the Italian treatment of the subject rather than the German; but the seminary will be arranged so that the most important part of the Clebsch-Lindemann exposition may profitably be read in connection with the lectures.

Dr. Scott offers in 1919-20 the following graduate seminary:

Theory of Surfaces and Space Curves. *Two hours a week throughout the year.*

The subject will be treated from the projective (analytical) point of view without any consideration of the development of differential geometry.

Dr. Hazlett offers in 1917-18 the following graduate seminary:

Theory of Algebraic Numbers. *Two hours a week throughout the year.*

A short account of rational integers is given; afterwards the subject of integers in a general algebraic realm is taken up, special attention being given to quadratic realms.

In 1918-19 the following graduate seminary is offered:

Differential Equations. *Two hours a week throughout the year.*

It is intended that the seminary will deal with the more important phases of the modern theories of analytic differential equations.

In 1919-20 the following graduate seminary is offered:

Theory of Functions. *Two hours a week throughout the year.*

Dr. Scott and Dr. Hazlett together conduct the journal club.

Mathematical Journal Club. *One hour a fortnight throughout the year.*

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and advanced work. They deal, therefore, with the subjects of the major courses carried to higher developments and treated by higher methods. As the order of mathematical studies differs in different colleges, graduate students frequently find it advisable to devote a part of their time to these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to four hours a week. The courses given are the following with occasional modifications:

I. (a.) Lectures Introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

or, I. (b.) Lectures on Modern Pure Geometry.

or, I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, Certain Transcendental Curves, Geometrical Transformations, etc.

Special permission to take this course before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*.

or, II. (b.) Lectures Preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II.

or, II. (c.) Lectures on Differential Equations, ordinary and partial.

or, II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc.

or, II. (e.) Elementary Theory of Numbers.

In 1917-18 the following post-major courses are offered:

I. (b.) Dr. Scott.

Two hours a week throughout the year.

II. (c.) Dr. Hazlett.

Two hours a week throughout the year.

In 1918-19 the following post-major courses will be offered:

I. (c.) Dr. Scott.

Two hours a week throughout the year.

II. (e.)

Two hours a week throughout the year.

FREE ELECTIVE COURSES.

Dr. Scott offers in 1917-18 and again in 1919-20 the following free elective course, open to graduate students:

Graphic Mathematics.

One hour a week throughout the year.

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirement for matriculation is presupposed.

Dr. Scott offers in 1918-19 and again in 1920-21 the following free elective course, open to graduate students:

Fundamental Theorems of Algebra and Geometry.

One hour a week throughout the year.

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirement for matriculation is presupposed. It is hoped that the work will prove useful to those intending to teach elementary mathematics.

Dr. Hazlett offers in each year one of the following free elective courses, open to graduate students:

Descriptive Astronomy.

Two hours a week throughout the year.

The subject will be treated from an elementary point of view. Such mathematics as seems desirable will be developed in the lectures.

Mathematics Preparatory to Science. *Two hours a week throughout the year.*

This course deals chiefly with parts of the differential and integral calculus, trigonometry, analytical geometry, and differential equations. Some problems in probability are also considered.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom, Dr. William B. Huff, Dr. David Hilt Tennent, Dr. James Barnes, Dr. Roger Frederick Brunel, Dr. James Llewellyn Crenshaw,* Dr. Florence Peebles, Dr. Frank James Wright, Dr. Gerard Van Rossen, Dr. Annabella Elliott Richards, Miss Edith Hamilton Lanman, Miss Sue Avis Blake, and Dr. Anna Sophie Rogers.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones for advanced and special work, a special room for physical chemistry, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purpose of instruction and research, and is increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

The geological department is equipped with large collections of minerals, rocks, and fossils, a carefully selected library, and laboratories furnished with maps, models, charts, lantern slides, petrologic microscopes, goniometers, and other apparatus necessary for work in undergraduate and graduate courses.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

The physical laboratories are carefully furnished with the apparatus necessary for thorough work.

* Granted leave of absence for 1917-19 on war service.

Graduate work in the natural sciences is highly specialized, and consists of laboratory work, private reading, and special investigations pursued by the student under the guidance of the instructors.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff,* Professor of Physics, Dr. James Barnes, Professor of Physics, and Miss Sue Avis Blake, Demonstrator in Physics.

GRADUATE COURSES.

The graduate seminars consist of lectures, laboratory work, and original research under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Huff* offers in 1918-19 the following graduate seminars:

Radioactivity and Discharge of Electricity through Gases.

Three hours a week during the first semester.

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radioactivity a brief account of theories is given.

Electron Theory.

Three hours a week during the second semester.

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

Dr. Huff offers in 1920-21 the following graduate seminary:

Mathematical Theory of Electricity and Magnetism.

Three hours a week throughout the year.

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

* Granted leave of absence for the year 1918-19. The courses announced by Professor Huff will be given by an instructor whose appointment will be announced later.

Dr. Barnes offers in 1917-18 the following graduate seminary:

Thermo-dynamics and Radiation.

Three hours a week throughout the year.

The modern developments of thermo-dynamics and radiation including X-rays and photo-electricity are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Dr. Barnes offers in 1919-20 the following graduate seminary:

Physical Optics.

Three hours a week throughout the year.

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

In each year Dr. Huff* and Dr. Barnes together conduct the journal club, and the laboratory work.

Physical Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory work.

The laboratory work is arranged for the purpose of familiarizing the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

FREE ELECTIVE COURSES.

Dr. Huff* offers in 1918-19 and again in 1920-21 the following free elective course, open to graduate students:

Physical Basis of Music.

One hour a week throughout the year.

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading will be assigned.

Dr. Huff offers in 1919-20 the following free elective course, open to graduate students:

Historical Development of Physics.

One hour a week throughout the year.

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have taken a minor course in science or its equivalent.

* See footnote, page 107.

POST-MAJOR COURSES.

Dr. Huff offers in 1917-18 the following post-major course, open to graduate students:

Electricity and Magnetism.

Three hours a week throughout the year.

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Dr. Huff offers in 1919-20 the following post-major courses, open to graduate students:

Properties of Matter.

Three hours a week during the first semester.

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound.

Three hours a week during the second semester.

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Dr. Barnes offers in 1918-19 the following post-major courses, open to graduate students:

Spectroscopy.

Three hours a week during the first semester.

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Astrophysics.

Three hours a week during the second semester.

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Selected chapters in Moulton's *Celestial Mechanics* and many papers from the *Astrophysical Journal* will be read and discussed.

Dr. Barnes offers in 1920-21 the following post-major course, open to graduate students:

General Optics.

Three hours a week throughout the year.

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Associate Professor of Chemistry, Dr. James Llewellyn Crenshaw,* Associate in Physical Chemistry, Dr. Gerard Van Rossen, Lecturer in Physical Chemistry, and Miss Edith Hamilton Lanman, Demonstrator in Chemistry.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialize either in organic chemistry under the direction of Dr. Brunel, or in physical or inorganic chemistry under the direction of Dr. Van Rossen, but students who elect organic chemistry as the major subject of examination must take physical chemistry as the associated minor, and students who elect physical chemistry as the major subject, must take organic chemistry as the associated minor.

No undergraduates are admitted to graduate courses.

Dr. Brunel conducts in each year the following graduate seminary:

Chemical Seminary, Organic Chemistry. *One hour a week throughout the year.*

This seminary is intended primarily for students who are carrying on research in organic chemistry, and consists of reports on assigned topics which are usually related to the research in which the student is engaged.

Dr. Van Rossen conducts in each year the following graduate seminary:

Chemical Seminary, Inorganic Chemistry.

One hour a week throughout the year.

The work of the seminary consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Dr. Brunel offers in each year the following graduate course:

Advanced Organic Chemistry.

One hour a week throughout the year.

Lectures, reading, and occasional reports cover the historical developments and present status of subjects of current interest. In the year 1918-19 a considerable part of the

* See footnote, page 106.

time will be spent in discussion of theories of valence and the mechanism of chemical reactions.

Students counting this course as the equivalent of a seminary will be required to do enough laboratory work, to make the work of the course occupy fourteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem to investigate.

Dr. Van Rossen offers in each year the following graduate course:

Physical Chemistry.

Two hours a week throughout the year.

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest. Students counting this course as the equivalent of a seminary will be required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The laboratory work will consist of physico-chemical research.

Dr. Brunel and Dr. Van Rossen together conduct the journal club.

Chemical Journal Club.

One hour a week throughout the year.

The advanced students, with the instructors, meet to hear reports and discussions on recent scientific articles.

POST-MAJOR COURSES.

Dr. Brunel offers in each year the following post-major course, open to graduate students:

Organic Chemistry.

Two hours a week throughout the year.

The course consists of lectures, assigned reading with occasional reports, and laboratory. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week will be required, three hours' credit being given for the course. The laboratory work will consist of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

Dr. Van Rossen offers in each year the following post-major courses, open to graduate students:

Physical Chemistry.

Two hours a week throughout the year.

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subject. The lectures are intended to give a general outline of the subject, the following topics being discussed: fundamental theories of chemistry; the periodic classification; the corpuscular theory of matter; the laws of gases, liquids and solids; osmotic pressure and dilute solutions; colloidal solutions; thermochemistry; homogeneous and heterogeneous equilibria; chemical kinetics; electrochemistry; actinochemistry, and radiochemistry. The solution of a large number of problems will be required.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

Inorganic Chemistry.

One hour a week throughout the year.

Selected topics in inorganic chemistry are discussed in detail and parallel reading is required. In the laboratory work of four and a half hours a week advanced quantitative analyses are included.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology and Dr. Frank James Wright, Associate in Geology.

The instruction offered in geology includes, in addition to the minor and major courses, three free elective courses of one hour a week, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminars of three hours a week.

Post-major courses in petrography or mineralogy, economic geology, stratigraphy, and paleontology are offered in each year, and are designed to train the student in exact methods for the determination of rock and mineral species in the genesis of ores and in the principles of stratigraphy and paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

GRADUATE COURSES.

The seminary in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and is intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate seminary in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate seminary in physiography is designed primarily for graduate students wishing to make physiography a major subject for the degree of Doctor of Philosophy. Further graduate seminars in petrology and physiography will be arranged

to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialize either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and physiography, under the direction of Dr. F. J. Wright, but students who make inorganic geology the major subject of examination must take either physiographic geology, inorganic chemistry, or crystallography as the associated minor and students who elect physiographic geology as the major subject, must take either inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

Dr. Bascom conducts in each year the following graduate seminary:

Petrology and Crystallography.

Three hours a week throughout the year.

This seminary will be conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology will be dependent upon the needs of the individual students. In crystallography direction will be given in crystal measurement with the two-circle goniometer, in crystal projection, and crystal drawing. The seminary will involve as much laboratory work as the time of the student permits.

Dr. Frank James Wright conducts in each year the following graduate seminary:

Seminary in Physiography.

Three hours a week throughout the year.

Regional physiography is the general field of this seminary. Either the western or eastern United States will ordinarily be the area covered. Problems may also be given in European physiography if desired. The work of the course includes lectures, formal reports, laboratory problems, and field excursions. Typical maps selected from the different provinces under consideration will be studied in the laboratory. The needs of the individual student will determine largely the area to be studied.

Dr. Bascom and Dr. Brown together conduct the journal club.

Geological Journal Club.

One hour a week throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent investigations or recent geological literature.

POST-MAJOR COURSES.

Dr. Bascom offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

Petrography.

Three hours a week throughout the year.

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the textures, constitution, origin, geographic f

distribution, and geologic associations of igneous rocks are treated; practice is given in the quantitative system of classification. Special field problems may be given to the students for independent solution.

Dr. Bascom offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Determinative Mineralogy.

Two hours a week throughout the year.

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis will be placed on crystal form and practice will be given in the use of the two-circle contact goniometer.

Dr. Frank James Wright offers in 1917-18 and again in 1919-20 the following post-major course, open to graduate students:

Economic Geology.

Two hours a week throughout the year.

In this course there will be given a much fuller presentation of the subject of economic geology than is possible in the free elective course. A greater number of subjects will be taken up and each one treated in greater detail. Strong emphasis is placed upon the origin and geological occurrence of the useful minerals.

Dr. Frank James Wright offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Stratigraphy and Paleontology.

Three hours a week throughout the year.

During the first semester a thorough study is made of the principles of sedimentation. The lectures are supplemented by readings and laboratory experiments. The principles underlying the development of land forms are discussed. Ancient physiographic conditions are restored as accurately as possible and the subsequent development of later stages is studied as a natural sequence of events.

The work of the second semester begins with a study of the modes of fossilization. The geological formations of North America are taken up in order and their distribution carefully noted. The student is required to learn the typical fossils of each formation and to be able to give the geological age of typical rock specimens. The evolution of organic forms through the different geological periods and the principles underlying their development, receive special consideration.

FREE ELECTIVE COURSES.

Dr. Bascom offers in 1918-19 and again in 1920-21 the following free elective course, open to graduate students:

Cosmogony.

One hour a week throughout the year.

The work of the course will be conducted by means of lectures, required reading, and class-room discussion. The lectures will treat of the origin of the earth, the growth of the continents and the development of landscape, and will be illustrated by lantern slides. Reading will be assigned to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geologic research. It will be given only if elected by a sufficient number of students.

Dr. Frank James Wright offers in 1917-18 and again in 1919-20 the following free elective course, open to graduate students:

Economic Geology.

One hour a week throughout the year.

This course will be devoted to a broad treatment of our mineral industry. The nature, mode of occurrence, distribution, and uses of the various mineral products will be considered. Among the non-metallic substances coal and building stones will receive chief attention; among the metals iron, copper, lead, zinc, gold and silver will be particularly stressed.

Dr. Frank James Wright offers in 1918-19 and again in 1920-21 the following free elective course, open to graduate students:

Map Interpretation.

One hour a week throughout the year.

A study of the topographic map and its interpretation. Maps illustrating constructional and destructional land forms are interpreted in class. Informal conferences, in which maps representing some special feature are fully discussed, and additional map studies make up the work of the course.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Florence Peebles, Associate Professor of Physiology, Dr. Annabella Elliott Richards, Instructor in Physiological Chemistry, and Dr. Anna Sophie Rogers, Demonstrator in Biology.

GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialize either in morphology under the guidance of Dr. Tennent, or in physiology under the guidance of Dr. Peebles or in Physiological Chemistry under the guidance of Dr. Richards. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Tennent offers in each year the following graduate seminary:

Seminary in Zoology.

Three hours a week throughout the year.

In 1917-18 Cytology is the subject of the seminary. The work deals with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms.

Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

In 1918-19 Embryology of Invertebrates will be the subject of the seminary. The work includes a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

In 1919-20 Genetics is the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

Dr. Peebles offers in each year the following graduate seminary:

Seminary in Physiology.

Three hours a week throughout the year.

In 1917-18 the Development of Modern Physiology is studied. The work consists of reports by the students and discussion of recent advances in the subject.

In 1918-19 Animal Instincts and Tropisms will be the subject of the seminary.

In 1919-20 Internal secretions will be treated.

Dr. Richards offers in 1917-18 the following graduate seminary:

Seminary in Physiological Chemistry.

Three hours a week throughout the year.

Students taking this seminary are required to have a preparation in physiological chemistry at least equivalent to that given in the post-major course. Research work will be begun in the seminary.

Dr. Tennent, Dr. Peebles and Dr. Richards together conduct the journal club and the laboratory work.

Biological Journal Club.

One hour a week throughout the year.

The advanced students and the instructors meet for the discussion of topics of current biological literature.

Laboratory Work.

There is no regular course of laboratory instruction for graduates. Each student must devote a considerable portion of her time to such work and will be given a problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

POST-MAJOR COURSES.

Dr. Tennent offers in 1917-18 and again in 1919-20 the following post-major courses, open to graduate students:

Protoplasm, the Cell, and Cytological Technique.

One hour a week during the first semester.

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation, and fertilization. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory work as a two-hour course.

Experimental Morphology.*One hour a week during the second semester.*

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. This course is to be taken with four hours laboratory work as a two-hour course.

Dr. Tennent offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Embryology of Vertebrates.*One hour a week throughout the year.*

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of *Amphioxus*, *Ascidian*, *Amia*, *Lepidosteus*, *Squalus*, *Ctenosabrus*, *Necturus*, *Rana*, *Chrysemys*, *Chick*, and *Pig*. At least four hours of laboratory work are required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Dr. Peebles offers in 1917-18 the following post-major course, open to graduate students:

Physiology of Microorganisms.*Two hours a week throughout the year.*

During the first semester the time is devoted to the study of yeasts, molds and bacteria. In the second semester problems of growth, cell division, regeneration and reproduction in Protozoa are treated. A specific problem is given to each student.

Dr. Peebles offers in 1918-19 the following post-major course, open to graduate students:

Physiology of the Central Nervous System.*Two hours a week throughout the year.*

This course consists of lectures and reports on assigned reading and laboratory work. A specific problem is taken up and studied by physiological methods. The lectures deal with the functions of the nervous system from a comparative standpoint.

Dr. Richards offers in 1917-18 the following post-major course, open to graduate students:

Physiological Chemistry.*Three hours a week throughout the year.*

This course consists of lectures, and laboratory work. At least six and a half hours a week of laboratory work are required. The laboratory work includes a study of certain proteins; fats and carbohydrates. A preliminary training in chemistry at least equivalent to that obtained in the minor course is desirable.

Dr. Tennent, Dr. Peebles and Dr. Richards conduct laboratory work in connection with the above courses:

Laboratory Work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in its adaptation to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

FREE ELECTIVE COURSE.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This is an historical course dealing with the development of the theories of biology. Special attention is given to theories of evolution and heredity. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level, in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis courts, and three large athletic fields.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, and the offices of administration.

The library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630, and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for eighty-eight thousand volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms; on the north side is the Art and Archæological seminary, containing collections of photographs, vases, and coins. The main building contains offices for the librarians and

cataloguers, a professor's office, a new book room, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain eleven seminary rooms and thirty-two professors' offices. The books needed for graduate study and research are kept in the seminary rooms where the graduate lectures are held. The seminaries are arranged as follows: Greek, Latin, English, German, French, Italian and Spanish, Semitic Languages and Philosophy in the north wing; Mathematics, History, Economics, and Psychology, in the south wing. The total book capacity of the library including the seminary libraries and the books for general study which are kept in the stack, is 168,499 volumes. The building is absolutely fire-proof. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, three interview rooms, and a library for the use of the Christian Association.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains the education seminary, two professors' offices, a room for the Monograph Committee of the Faculty and the Alumnae Association, and fire-proof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 a. m. till 10 p. m. and on Sundays from 2 p. m. till 10 p. m. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the Trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry,

and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the *alumnæ* and students.

Around Taylor Hall the Trustees have erected halls of residence for the accommodation of students. Plans, drawings, and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in a separate pamphlet to be obtained from the Secretary of the College.

The new gymnasium, erected on the site of the first gymnasium and the gift of the Athletic Association, the *alumnæ* and thirteen neighbors of the college, was completed in February, 1909. It is open to the students from 8 a. m. till 10 p. m., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director, and an adjoining room for the examination and record of the physical development of the students, a waiting room, and cloak rooms. In the basement are bathrooms for use after exercise and a swimming-tank, sixty-nine feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the *alumnæ*, students, and friends of the college, and well supplied with apparatus for the teaching of swimming. The gymnasium is under the charge of a director and two assistants.

On the grounds, separated from other buildings, is the Class of 1905 infirmary opened in October, 1913, with accommodation for patients and nurses, and its own diet kitchens and bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

The Phebe Anna Thorne Model School is situated on the campus and has its own out-of-door class rooms and athletic ground.

A central power-house, which was erected in 1903 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the base-

ment of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the piping system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees during all the twenty-four hours of the day, in all the bath-rooms and stationary washstands and tea pantries.

The Bell Telephone Company, a branch of the American Telephone and Telegraph Company, maintains telephone pay stations in each of the halls of residence, in the library, and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office, a Western Union office, an Adams Express office, a United States money-order office and two banks.

Horses for riding and driving may be kept at livery near the college at a cost of twenty-five dollars a month.

LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF
DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

BARTLETT, HELEN. The Metrical Division of the Paris Psalter. 49+[1]
p., O. Baltimore, The Friedenwald Company. 1896.

BLISS, ELEANORA F., AND JONAS, ANNA I. Relation of the Wissahickon
Mica-Gneiss to the Shenandoah Limestone and to the Octoraro Mica-
Schist of the Doe Run-Avondale District, Coatesville, Quadrangle,
Pennsylvania. 64 p., O. February, 1914.

BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-
two Species of the Membracidae, Jassidae, Cercopidae and Fulgoridae.
p. 470-512, O. 9 pl. Baltimore. 1907.

Reprint from *Journal of Experimental Zoology*, vol. 4, No. 4.

BOURLAND, CAROLINE BROWN. Boccaccio and the Decameron in Castil-
ian and Catalan Literature. 233 p., O. 5 pl. New York, Paris,
Mâcon, Protat Frères. 1905.

Reprint from *Revue Hispanique*, t. xii.

BOWERMAN, HELEN COX. Roman Sacrificial Altars. An Archæological
Study of Monuments in Rome. 101 p., O. 11 pl. Lancaster, Pa.,
The New Era Printing Co. 1913.

BREED, MARY BIDWELL. The Polybasic Acids of Mesitylene. 31+[1]
p., O. Baltimore, The Friedenwald Company. 1901.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 1.

BUNTING, MARTHA. The Origin of the Sex Cells in Hydractinia and
Podocoryne and the Development of Hydractinia. 34 p., O. Boston,
Ginn and Company. 1894.

Revised reprint from *Journal of Morphology*, vol. 9, No. 2.

BYRNES, ESTHER FUSSELL. The Maturation and Fertilization of the
Egg of *Limax Agrestis* (Linné). p. 201-236+[1], O. Boston,
Ginn and Company. The Athenæum Press. 1899.

Reprint from *Journal of Morphology*, vol. 16, No. 1.

CLAFLIN, EDITH FRANCES. The Syntax of the Boeotian Dialect Inscrip-
tions. 93 p., O. Baltimore, The Friedenwald Company. The
Lord Baltimore Press. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 3.

- COULTER, CORNELIA CATLIN. *Retractatio in the Ambrosian and Palatine Recensions of Plautus. A Study of the Persa, Poenulus, Pseudolus, Stichus, and Trinummus.* 118 p., O. Bryn Mawr, Pennsylvania. 1911.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. x.
- CUMMINGS, LOUISE DUFFIELD. *On a Method of Comparison for Triple-Systems.* p. 311-327, Q.
Reprint from *Transactions of the American Mathematical Society*, vol. 15, No. 3. July, 1914.
- DARKOW, ANGELA CHARLOTTE. *The Spurious Speeches in the Lysianic Corpus.* 95 p., O. Bryn Mawr, Pennsylvania. 1917.
- DUCKETT, ELEANOR SHIPLEY. *Studies in Ennius.* 78 p., O. Bryn Mawr, Pennsylvania. 1915.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xviii.
- DUDLEY, LOUISE. *The Egyptian Elements in the Legend of the Body and Soul.* 179+[xi] p., O. Baltimore, printed by J. H. Furst Co. 1911.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. viii.
- ELLIS, ELLEN DEBORAH. *Introduction to the History of Sugar as a Commodity.* 117 p., O. Philadelphia, The John C. Winston Co. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. iv.
- EMERY,* ANNIE CROSBY. *The Historical Present in Early Latin.* 120+[3] p., O. Ellsworth, Maine, Hancock Publishing Company. 1897.
- EVERS, HELEN MARGARET. *Critical Edition of the Discours de la Vie de Pierre de Ronsard, par Claude Binet.* iv+190 p., O. Philadelphia, The John C. Winston Co. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ii.
- FAHNESTOCK, EDITH. *A Study of the Sources and Composition of the Old French Lai D'Haveloc.* 138 p., O. Jamaica, Queensborough, New York, The Marion Press. 1915.
- FOSTER, FRANCES ALLEN. *A Study of the Middle-English Poem Known as The Northern Passion.* vi+101 p., O. Richard Clay & Sons, Ltd., London and Bungay. 1914.
Reprint from *The Northern Passion*, vol. II. *Early English Text Society, Original Series*, 147, 1914 (for 1913).
- FRANKLIN, SUSAN BRALEY. *Traces of Epic Influence in the Tragedies of Æschylus.* 81 p., O. Baltimore, The Friedenwald Company. 1895.
- GENTRY, RUTH. *On the Forms of Plane Quartic Curves.* [7]+73 p., O. 13 pl. New York, Robert Drummond. 1896.

* Mrs. Francis Greenleaf Allinson.

- GIBBONS, VERNETTE LOIS. The Potentials of Silver in Non-aqueous Solutions of Silver Nitrate. 32 p., O. Easton, Pa., Eschenbach Printing Co. 1914.
- GRAHAM, MINNIE ALMIRA. A Study of the Change from Violet to Green in Solutions of Chromium Sulphate. 50 p., O. pl. 3. Easton, Pennsylvania, Eschenbach Printing Company. 1912.
- HALL, EDITH HAYWARD.* The Decorative Art of Crete in the Bronze Age. 47 p., 3 pl., Q. Philadelphia, The John C. Winston Co. 1907.
Reprint in part from *Transactions of the Department of Archaeology of the University of Pennsylvania*, vol. 2, part 1. 1906.
- HANNA, MARY ALICE. The Trade of the Delaware District before the Revolution. p. 239-248, O.
Reprint from *Smith College Studies in History*, 1917.
- HARMON, ESTHER. Johanna Schopenhauer. 115 p., O. Munich, Kastner and Callwey. 1914.
- HARPER, CARRIE ANNA. The Sources of the British Chronicle History in Spenser's Faerie Queene. 190 p., O. Philadelphia, The John C. Winston Co. 1910.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vii.
- HUSSEY, MARY INDA. Some Sumerian-Babylonian Hymns of the Berlin Collection. p. 142-176, O.
Reprint from *American Journal of Semitic Languages*, vol. 23, No. 2. January, 1907.
- JONAS, ANNA I., AND BLISS, ELEANORA F. Relation of the Wissahickon Mica-Gneiss to the Shenandoah Limestone and to the Octoraro Mica-Schist of the Doe Run-Avondale District, Coatesville, Quadrangle. Pennsylvania. 64 p., O. February, 1914.
- KING, HELEN DEAN. The Maturation and Fertilization of the Egg of *Bufo Lentiginosus*. p. 293-350, O. Boston, Ginn and Company. The Athenæum Press. 1901.
Reprint from *Journal of Morphology*, vol. 17, No. 2.
- LAIRD, ELIZABETH REBECCA. The Absorption Spectrum of Chlorine. p. 85-115, O.
Reprint from *Astrophysical Journal*, vol. 14, No. 2. September, 1901.
- LEFTWICH,† FLORENCE. *La Vie Seint Edmund le Rei*. An Anglo-Norman Poem of the Twelfth Century by Denis Piramus. p. 1-174, O. Philadelphia, The John C. Winston Co. 1906.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. v.
- LORD, ELEANOR LOUISA. The American Colonies as a Source of Naval Supplies for Great Britain. Published as Industrial Experiments in the British Colonies of North America. 10+154 p., O.
Johns Hopkins University Studies, vol. 17. Baltimore, 1898.

* Mrs. Joseph M. Dohan.

† Mrs. Samuel Prioleau Ravenel.

- LOWATER, FRANCES. The Spectra of Sulphur Dioxide. p. 324-342, O. Reprint from the *Astrophysical Journal*, vol. 23, No. 4. May, 1906.
- LYON,* DOROTHY WILBERFORCE. *Christe qui lux es et dies* and its German, Dutch, and English Translations. p. 70-85 and p. 152-192, O. *American Journal of Philology*, vol. 19. 1898.
- MACDONALD, MARGARET BAXTER. A New Class of Disulphones. p. 1-21, O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.
- MADDISON, ISABEL. On Singular Solutions of Differential Equations of the First Order in Two Variables and the Geometrical Properties of Certain Invariants and Covariants of their Complete Primitives. p. 311-374, O.
Reprint from *Quarterly Journal of Mathematics*, vol. 28. 1896.
- MARTIN, EMILIE NORTON. On the Imprimitive Substitution Groups of Degree Fifteen and the Primitive Substitution Groups of Degree Eighteen. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *American Journal of Mathematics*, vol. 23, No. 3.
- MEDES, GRACE. A Study of the Causes and Extent of Variations in the Larvæ of *Arbacia Punctulata*. p. 318-432, with 152 figs, O. Bryn Mawr, Pennsylvania. 1917.
Reprint from *Journal of Morphology*, vol. 30, No. 1. December, 1917.
- MINOR, JESSIE ELIZABETH. A Study of the Equilibrium in the Alcoholysis of Esters. 57 p., O. Easton, Pennsylvania. 1917.
- MORRISS, MARGARET SHOVE. Colonial Trade of Maryland. p. 1-157, O. Baltimore. Johns Hopkins Press. 1914.
- NEILSON, NELLIE. Economic Conditions on the Manors of Ramsay Abbey. 124 p., O. Philadelphia, printed by the press of Sherman and Company. 1899.
- NICHOLS,† HELEN HAWLEY. The Composition of the Elihu Speeches, Job, Chaps. XXXII-XXXVII. 95 p., O. 1911.
Reprint from *American Journal of Semitic Languages and Literatures*, vol. 28, No. 2. January, 1911.
- OGDEN, ELLEN SETON. The Origin of the Gunu-Signs in Babylonian. 144 p., O. Leipzig, printed by W. Drugulin. 1911.
- PARKHURST, HELEN HUSS. Recent Logical Realism. 66 p., O. Bryn Mawr, Pennsylvania. 1917.
- PARRIS,† MARION. Total Utility and the Economic Judgment Compared with their Ethical Counterparts. 103 p., O. Philadelphia, The John C. Winston Co. 1909.

* Mrs. Emmons Bryant.

† Mrs. William Roy Smith.

‡ Mrs. Eugene Lyman Porter.

PEEBLES, FLORENCE. Experiments in Regeneration and in Grafting of Hydrozoa. 53+[1] p., O. Leipzig, Wilhelm Engelmann. 1900.

PEEBLES, ROSE JEFFRIES. The Legend of Longinus in Ecclesiastical Tradition and in English Literature and its Connection with the Grail. 221 p., O. Baltimore, printed by J. H. Furst Co. 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ix.

PERKINS,* ELIZABETH MARY. The Expression of Customary Action or State in Early Latin. 77 p., O. Washington, D. C., printed by Judd and Detweiler. 1904.

PERRY, LORINDA. The Millinery Trade in Boston and Philadelphia. A Study of Women in Industry. 122 p., O. Women's Educational and Industrial Union, Boston. Binghamton, N. Y. Vail-Ballou Press. 1916.

RAGSDALE, VIRGINIA. On the Arrangement of the Real Branches of Plane Algebraic Curves. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1906.

Reprint from *American Journal of Mathematics*, vol. 28, No. 4.

RAND, GERTRUDE. The Factors that Influence the Sensitivity of the Retina to Color: A Quantitative Study and Methods of Standardizing. 166+xi p., O. Princeton, N. J. 1913.

Reprint from *The Psychological Monographs, Princeton, N. J.*

REIMER, MARIE. The Addition Reactions of Sulphinic Acids. 31 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1902.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.

REYNOLDS, GRACE POTTER.† The Reaction between Organic Magnesium Compounds and Unsaturated Compounds containing Alkoyxl Groups. 29 p., O. Easton, Pa., Eschenbach Printing Co. 1910.

RITCHIE,‡ MARY HELEN. A Study of Conditional and Temporal Clauses in Pliny the Younger. 57+[1] p., O. Philadelphia, Avil Printing Company. 1902.

ROE,§ ADAH BLANCHE. Anna Owena Hoyers, a Poetess of the Seventeenth Century. 128 p., O. Bryn Mawr, Pennsylvania. 1915.

Reprint from the *Bryn Mawr College Monographs, Monograph Series*, vol. xix.

SANDISON, HELEN ESTABROOK. The "Chanson d'Aventure" in Middle English. 152 p., O. Bryn Mawr, Pennsylvania, 1913.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xii.

* Mrs. Eric Charles William Scheel Lyders.

‡ Died, 1905.

† Mrs. Winthrop Merton Rice,

§ Mrs. Herman Lommel.

SCHAEFFER,* HELEN ELIZABETH. A Study of the Electric Spark in a Magnetic Field. p. 121-149, 1 pl., O. 1908.

Reprint from *Astrophysical Journal*, vol. 28, 1908.

SCHENCK, EUNICE MORGAN. La part de Charles Nodier dans la formation des idées romantiques de Victor Hugo jusqu'à la *Preface de Cromwell*. 144 p., O. Bryn Mawr, Pennsylvania. 1914.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvi.

SCHMIDT, GERTRUD CHARLOTTE. Das Deminutivum im Mittelniederdeutschen und Mittelniederländischen. 157+[ix] p., O. Bornaleipzig, printed by Robert Noske. 1912.

SHEARER, EDNA ASTON. Hume's Place in Ethics. 86 p., O. Bryn Mawr, Pennsylvania. 1915.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvii.

SPALDING, MARY CAROLINE. Middle English Charters of Christ. cxxiv+100 p., O. Bryn Mawr, Pennsylvania. 1914.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xv.

STEVENS,† NETTIE MARIA. Further Studies on the Ciliate Infusoria, Lichenophora, and Boveria. 45 p. 6 pl., O. 1903.

Reprint from *Archiv für Protistenkunde*, Bd. iii.

STITES, SARA HENRY. Economics of the Iroquois. 159+vii p., O. Lancaster, Pa., The New Era Printing Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 3.

SWEET, MARGUERITE. The Third Class of Weak Verbs in Primitive Teutonic with Special Reference to its Development in Anglo-Saxon. 49+[1] p., O. Baltimore, The Friedenwald Company. 1893.

SWINDLER, MARY HAMILTON. Cretan Elements in the Cult and Ritual of Apollo. 77 p., O. Bryn Mawr, Pennsylvania. 1913.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xiii.

TAYLOR, LILY ROSS. The Cults of Ostia. 100 p., O. Bryn Mawr, Pennsylvania. 1913.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xi.

TRAVER, HOPE. The Four Daughters of God. A Study of the Versions of this Allegory, with Especial Reference to Those in Latin, French, and English. 171 p., O. Philadelphia, The John C. Winston Co. 1907.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vi.

URDAHL,‡ MARGERETHE. On Certain u-Diphthongs in the Heliand. 40 p., O. Göttingen, printed in the University Press by E. A. Huth. 1904.

* Mrs. William Bashford Huff. Died, 1913.

† Died, 1912.

‡ Mrs. Lewis Albert Anderson.

- WARREN,* WINIFRED. A Study of Conjunctive Temporal Clauses in Thukydides. 76+[3] p., O. Berlin, printed by Unger Brothers. 1897.
- WHITE, FLORENCE DONNELL. Voltaire's Essay on Epic Poetry. A Study and an Edition. 167 p., O. Albany, N. Y., Brandow Printing Co. 1915.
- WILLCOX, MARGUERITE. The Reversible Replacement of Alcohols in Aldehydealcoholates. 22 p., O. Easton, Pa. Eschenbach Printing Co. 1916.
- WILLIS, GWENDOLEN BROWN. The Ancient Gods in Greek Romance. 54 p., O. Chicago, University of Chicago Press. 1905.

* Mrs. George Arthur Wilson.

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German French	Greek (Kirk) German French
	GENERAL	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)
	MINOR	Greek, Plato (Sanders) French Literature (Schenck) Ancient Egypt (Hoppin) Mathematics, Conics (Scott) Chemistry (Brunel)	Greek, Homer, W. C. (Wright) French Reading and Composition (Schenck) Ancient Painting (Swindler) Mathematics, Trigonometry (Scott) Chemistry (Brunel)
	MAJOR	Psychology, Social Psychology (Leuba)	Psychology, Social Psychology (Leuba)
	ELECTIVE	Biology, Theoretical (Tennent)	Historical Development of Physics
	POST-MAJOR	Inorganic Chemistry (Van Rossen)	
	GRADUATE	Physics Geology (Bascom)	Geology (F. J. Wright)
10	GENERAL	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
	MINOR	English, 19th Century Critics (Chew) German Grammar (Jessen) Spanish (DeHaan) History of Europe, Div. A (Gray) Div. B Biology (Tennent)	English, 19th Century Critics (Chew) German Literature (Jessen) Spanish (DeHaan) History of Europe, Div. A (Gray) Div. B Biology (Tennent)
	MAJOR	Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (G. G. King) Geology (F. J. Wright)	Philosophy, Kant to Spencer (Sabin) Renaissance Sculpture (G. G. King) Geology (F. J. Wright)
	ELECTIVE	Educational Psychology (Arlitt) Private Law (Fenwick)	Education (Castro)
	POST-MAJOR	Physics (Barnes) Chemistry (Brunel)	Physical Chemistry (Lanman)
	GRADUATE	Petrology (Bascom)	Applied Psychology (Rand)
11	GENERAL	English Composition, 1st year (Dunn)	English Composition, 1st year (Dunn)
	MINOR	Italian (Vatar) Oriental History, History of the Near East (Barton) Economics, Introduction to Economics, Div. A (M. P. Smith) Div. B Philosophy, History of (T. de Laguna) General Archaeology (Hoppin)	Italian (Vatar) Economics, Introduction to Economics, Div. A (M. P. Smith) Div. B Philosophy, History of (T. de Laguna) Ancient Athens (Hoppin)
	MAJOR	Latin, Tacitus (Wheeler) Spanish Reading (DeHaan) History, British Imperialism (W. R. Smith) Physics (Barnes) Chemistry (Lanman)	Latin Literature (Frank) Spanish Literature (DeHaan) History, British Imperialism (W. R. Smith) Physics (Barnes) Chemistry (Lanman)
	ELECTIVE		Greek Religion and Myths (W. C. Wright)
	GRADUATE	Systematic Psychology (Ferree)	Geology (F. J. Wright)
12	MINOR	Latin, Cicero, Div. A (Wheeler) Div. B Div. C (Swindler) English, Mid. Eng. Romances Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics Geology (Bascom)	Latin, Horace, Div. A (Frank) Div. B (Swindler) Div. C English, Mid. Eng. Romances Psychology, Experimental (Ferree and Rand) Gothic Architecture (G. G. King) Physics Geology (Bascom)
	MAJOR	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Vatar) Politics, Present Problems (Fenwick) Mathematics Biology (Peetles)	Greek Literature (W. C. Wright) English Drama (Chew) French Reading and Composition (Vatar) Politics, Present Problems (Fenwick) Mathematics Biology (Peetles)
	ELECTIVE		History of the U. S. from 1865 (C. R. Smith)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

FIRST SEMESTER, 1918-19.

WEDNESDAY	THURSDAY	FRIDAY
Greek (Kirk) German French	Greek (Kirk) German French	Greek (Kirk) German French
Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)
Greek, Plato (Sanders) French Literature (Schenck) Ancient Egypt (Hoppin) Mathematics, Conics (Scott) Chemistry (Brunel)	Greek, Homer (W. C. Wright) French Reading and Composition (Schenck) Ancient Painting (Swindler) Mathematics, Trigonometry (Scott) Chemistry, Demonstration (Brunel)	Greek, Sophocles (Sanders) French Literature (Schenck) Ancient Egypt (Hoppin) Mathematics, Conics (Scott) Chemistry (Brunel)
Psychology, Social Psychology (Leuba) Map Interpretation (F. J. Wright)	Roman Life (Frank) Psychology, Social Psychology (Leuba)	Psychology, Social Psychology (Leuba) Map Interpretation (F. J. Wright)
Physics (Barnes)	Physics Journal Club (Barnes and —) Biology Journal Club (Tennent and Peebles)	Physics Geology (Bascom)
English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
English, 19th Century Critics (Chew) German Reading (Jessen) Spanish (De Haan) History of Europe, Div. A (Gray) Div. B Biology (Tennent)	English, 19th Century Critics (Chew) German Literature (Jessen) Spanish (DeHaan) History of Europe, Div. A (Gray) Div. B Biology, Demonstration (Tennent)	English, 19th Century Critics (Chew) German Reading (Jessen) Spanish (DeHaan) History of Europe, Div. A (Gray) Div. B Biology (Tennent)
Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (G. G. King) Geology Laboratory (F. J. Wright)	Philosophy, Kant to Spencer (Sabin) Renaissance Sculpture (G. G. King) Geology Laboratory (F. J. Wright)	Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (G. G. King) Geology Laboratory (F. J. Wright)
Educational Psychology (Arlitt)	Education (Castro)	Educational Psychology (Arlitt)
Physics (Barnes) Chemistry (Brunel)	Physical Chemistry (Lanman)	Physics (Barnes) Chemistry (Brunel)
Petrology (Bascom)		Petrology (Bascom)
English Composition, 1st year (Dunn)	English Composition, 1st year (Dunn)	English Composition, 1st year (Dunn)
Italian (Vatar)	Italian (Vatar)	Italian (Vatar)
Oriental History, History of the Near East (Barton)	Oriental History, History of the Near East (Barton)	Oriental History, History of the Near East (Barton)
Economics, Introduction to Div. A (M. P. Smith) Div. B	Economics, Introduction to Div. A (M. P. Smith) Div. B	Economics, Introduction to Div. A (M. P. Smith) Div. B
Philosophy, History of (T. de Laguna) General Archaeology (Hoppin)	Philosophy, History of (T. de Laguna) Ancient Athens (Hoppin)	Philosophy, History of (T. de Laguna) General Archaeology (Hoppin)
Latin, Tacitus (Wheeler) Spanish Grammar (DeHaan) History, British Imperialism (W. R. Smith) Physics Laboratory (Barnes) Chemistry Laboratory (Lanman)	Latin Literature (Frank) Spanish Literature (De Haan) History, British Imperialism (W. R. Smith) Physics Laboratory (Barnes) Chemistry Laboratory (Lanman)	Latin, Tacitus (Wheeler) Spanish Reading (De Haan) History, British Imperialism (W. R. Smith) Physics Laboratory (Barnes) Chemistry Laboratory (Lanman)
Mathematics (Scott)	Greek Religion and Myths (W. C. Wright)	
Systematic Psychology (Ferree)	Geology (F. J. Wright)	Systematic Psychology (Ferree)
Latin, Cicero, Div. A (Wheeler) Div. B Div. C (Swindler)	Latin, Horace, Div. A (Frank) Div. B (Swindler) Div. C	Latin, Cicero, Div. A (Wheeler) Div. B Div. C (Swindler)
English, Mid. Eng. Romances Psychology, Experimental (Ferree and Rand) Renaissance Painting (G. G. King)	English, Mid. Eng. Romances Gothic Architecture (G. G. King) Physics, Demonstration Geology, Demonstration (Bascom)	English, Mid. Eng. Romances Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics Geology (Bascom)
Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Vatar) Politics, Present Problems (Fenwick) Mathematics Biology (Peebles)	Greek Literature (W. C. Wright) English Drama (Chew) French Reading and Composition (Vatar) Politics, Present Problems (Fenwick) Mathematics Biology (Peebles)	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Vatar) Politics, Present Problems (Fenwick) Mathematics Biology (Peebles)
History of the U. S. from 1865 (W. R. Smith)	History of the U. S. from 1865 (W. R. Smith)	
Chemistry Journal Club (Brunel, Lanman)	Chemistry Journal Club (Brunel, Lanman)	

SCHEDULE OF LECTURES

Hour	Course	MONDAY	TUESDAY
2	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Minor Chemistry, Minor (Brunel) Geology, Minor, Field Work (Bascom) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Minor (Tennent)
	POST-MAJOR	Greek, Æschylus (Sanders)	Greek, Æschylus (Sanders)
		French, Rabelais (Vatar) Economics and Politics, American Social Problems (Marion P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)	French, Rabelais (Vatar) Economics and Politics, American Social Problems (Marion P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)
	GRADUATE	Beowulf 2.30-4.30 Social Treatment (Kellogg)	 Social Treatment (Kellogg)
3	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Minor Chemistry, Minor (Brunel) Geology, Minor, Field Work (Bascom) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Minor (Tennent)
	ELECTIVE	Elocution, Reading of Shakespeare (S. A. King) Biblical Literature (Barton)	Elocution, Reading of Shakespeare (S. A. King) History of the Far East (Barton) Advanced Experimental Psychology (Ferree)
	POST-MAJOR	Latin, Vergil (Frank) History, American Constitutional (William R. Smith) Social Research (Kingsbury)	Latin, Vergil (Frank) History, American Constitutional (William R. Smith) Social Research (Kingsbury) Mathematics
	GRADUATE	Teutonic Seminary, 3-5 Foundations of French Grammar (Beck) Legal Procedure (Kellogg) Advanced Social Statistics (Bezanson) Psychology Journal Club (Leuba, Ferree, and Rand) Seminary in Modern Painting (G. G. King), 3-5	Greek Seminary, Greek Orators (Sanders), 3-4.30 Seminary in English Literature (Kingsbury), 3-4.30 Seminary in French Literature (Kingsbury), 3-4.30 Legal Procedure (Kellogg) Advanced Social Statistics (Bezanson)
4	GRADUATE	Latin Seminary, Cicero (Frank), 4-6 Seminary in English Literature (Donnelly), 4-6 Seminary in Mediæval French Literature (Beck), 4-6 Seminary in New Testament Greek (Barton) History Journal Club (Gray, William R. Smith), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick), 4-6. Alternate Weeks Social Economy Journal Club (Kingsbury, Kellogg, Bezanson), 4-6. Alternate Weeks Seminary in Social Economy, Practicum (Kingsbury and Kellogg), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Mathematics (Scott), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and Fenwick), 4.30-6. Alternate Weeks Middle English Seminary, 4.30-6 German Journal Club (Jessen and Fenwick), 4.30-6. Alternate Weeks Semitic Seminary (Barton) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Ethics (Theodore and Leuba), 4-6 Seminary in Educational Psychology (Castro), 4-6 Mathematical Journal Club (Kingsbury), 4-6. Alternate Weeks Seminary in Physiology, 4.30-6
5	GRADUATE	Introduction to Teutonic Philology Spanish Seminary (De Haan)	Comparative Semitic Grammar (Gray)

FIRST SEMESTER, 1918-19 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>4th Cent. Critics (Sanders) Composition (Frank) Lyric Poetry (Schenck) Economics and Politics, American Social Economics (Marion P. Smith) Painting (G. G. King) Embryology (Tennent)</p> <p>Logical Seminary (Hoppin), 2-4 Old French Philology (Beck), 2-4 Treatment (Kellogg) Science Tests (Arlitt), 2-4 Journal Club (Bascom, F. J. King), 2.15-4.15</p>	<p>Physics, Major (Barnes) Chemistry, Major (Lanman) Geology, Major (F. J. Wright) Biology, Major (Peebles)</p> <p>Greek, Anthology (Wright)</p> <p>German Literature (Jessen) French, Lyric Poetry (Schenck) Economics and Politics, International Law (Fenwick) Renaissance Architecture (G. G. King)</p> <p>Seminary in European History (Gray) Seminary in Industrial Peace (Bezanson, 2-4) Aegean Archaeology (Swindler)</p>	<p>Physics, Major (Barnes) Chemistry, Major (Lanman) Geology, Major (F. J. Wright) Biology, Major (Peebles)</p> <p>German Literature (Jessen) French, Lyric Poetry (Schenck) Economics and Politics, International Law (Fenwick) Renaissance Architecture (G. G. King)</p> <p>Greek Seminary, Homeric Question (Wright), 2-4</p>
<p>Crane (Crandall) Literature (Barton) Statistics of Statistics (Bezanson)</p> <p>Anthology (W. C. Wright) England under the Tudors (Gray) Nervous System (Peebles)</p> <p>Literary Criticism (Jessen) Politics (Fenwick)</p>	<p>Physics, Major (Barnes) Chemistry, Major (Lanman) Geology, Major (F. J. Wright) Biology, Major (Peebles)</p> <p>Daily Themes (Crandall) History of the Far East (Barton)</p> <p>Roman Elegy (Wheeler)</p> <p>History, England under the Tudors (Gray)</p> <p>Greek Seminary, Greek Orators (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Seminary in French Literature (Schenck), 3-4.30 Comp. Teutonic Grammar Philosophical Journal Club (Theodore de Laguna, Grace de Laguna, and Sabin), 3-4.30</p>	<p>Physics, Major (Barnes) Chemistry, Major (Lanman) Geology, Major (F. J. Wright) Biology, Major (Peebles)</p> <p>Roman Elegy (Wheeler)</p> <p>History, England under the Tudors (Gray)</p> <p>English Journal Club (Donnelly, Chew, Crandall), 3-4.30. Alternate Weeks Gothic Romance Languages Journal Club (De Haan, Schenck, Beck, and Vatar), 3-4.30. Alternate Weeks Archæological Journal Club (Hoppin, Swindler), 3-4.30. Alternate Weeks</p>
<p>Seminary, Latin Comedy (Wheeler), Seminary in English Composition (Crandall), High German Philology (Beck), 4.30-6 Seminary, 4-6 Seminary in History of Religion (Barton) Seminary in American History (William R. 4-6 Seminary in Social Research (Kingsbury), Seminary in Social Psychology (Leuba), 4-6 Seminary in Education (Castro), 4.30-6</p>	<p>Middle English Seminary, 4.30-6 Seminary in German Literature (Jessen), 4-6 Middle Low German Semitic Seminary (Barton) Seminary in Social Theory (Kellogg), 4-6 Educational Journal Club (Castro and Arlitt), 4.30-6 Mathematics, 4-6. Journal Club in History of Art (G. G. King), 4.30-6. Alternate Weeks Seminary in Physiology (Peebles), 4-6 Seminary in Zoology (Tennent), 4.30-6</p>	<p>Latin Seminary, Latin Comedy (Wheeler), 4.30-6 Middle High German Romance Philology (Beck), 4.30-6 Seminary in Economics (Marion P. Smith), 4-6 Seminary in History of Philosophy (Sabin), 4-6 Seminary in Education (Castro), 4.30-6</p>
<p>German Seminary (DeHaan)</p>	<p>Ethiopic (Barton)</p>	<p>Old High German</p>

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German French	Greek (Kirk) German French
	GENERAL	Psychology, Div. A (Leuba) Div. B (Sabin)	Psychology, Div. A (Leuba) Div. B (Sabin)
	MINOR	Greek, Euripides (Sanders) French, 19th Century Literature (Beck) Crete (Hoppin) Mathematics, Calculus Chemistry (Lanman)	Greek, Homer (W. C. Wright) French, Reading and Composition Ancient Architecture (Hoppin) Mathematics, Algebra Chemistry Laboratory (Lanman)
	MAJOR	German Literature (Jessen) Psychology, Applied (Rand)	German, Faust (Jessen) Psychology, Applied (Rand)
	ELECTIVE	Biology, Theoretical (Tennent)	Historical Development of Physics
	GRADUATE	Physics Geology (Bascom)	Geology (F. J. Wright)
10	GENERAL	English Composition, 2nd year (Dunn)	English Composition, 2nd year (Dunn)
	MINOR	English Poets (Chew) German Grammar (Jessen) Spanish (DeHaan) History from 1517 to 1789 (W. R. Smith) Biology (Peebles)	English Poets (Chew) German Literature (Jessen) Spanish (DeHaan) History from 1517 to 1789 (W. R. Smith) Biology Laboratory (Peebles)
	MAJOR	Recent Philosophical Tendencies (T. de Laguna) 17th and 18th Century Painting (G. G. King) Geology (Bascom)	Recent Philosophical Tendencies (T. de Laguna) Renaissance Sculpture (G. G. King) Geology (Bascom)
	ELECTIVE	Educational Psychology (Arlitt) Private Law (Fenwick)	Education (Castro)
	POST-MAJOR	Physics (Barnes) Chemistry (Brunel)	Physical Chemistry (Lanman)
	GRADUATE	Petrology (Bascom)	Applied Psychology (Rand), 10-
11	GENERAL	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
	MINOR	Italian (Vatar) Oriental History, History of the Near East (Barton) Introduction to Government and Politics, Div. A (Fenwick) Div. B Elementary Logic and Ethics (G. de Laguna) General Archaeology (Hoppin)	Italian (Vatar) Introduction to Government and Politics, Div. A (Fenwick) Div. B Elementary Logic and Ethics (G. de Laguna) Ancient Rome (Swindler)
	MAJOR	Latin Comedy (Wheeler) Spanish Reading (DeHaan) History of the Renaissance (Gray) Physics Chemistry (Brunel)	Latin Literature (Frank) Spanish Literature (DeHaan) History of the Renaissance (Gray) Physics Chemistry (Brunel)
	ELECTIVE		Literary History (W. C. Wright)
	POST-MAJOR		Geology (F. J. Wright)
	GRADUATE	Systematic Psychology (Ferree)	
12	MINOR	Latin, Terence, Div. C (Wheeler) Div. A Div. B (Swindler) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes) Geology (F. J. Wright)	Latin Horace, Div. B (Frank) Div. A (Swindler) Div. C Psychology of Instinct and Emotion Gothic Architecture (G. G. King) Physics Laboratory (Barnes) Geology Laboratory (F. J. Wright)
	MAJOR	Greek, Thucydides (Sanders) Shakespeare French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology (Tennent)	Greek Literature (W. C. Wright) Shakespeare French, Reading and Composition Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology (Tennent)
	ELECTIVE		History of the U. S. from 1865 (Vanderbilt)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

SECOND SEMESTER, 1918-19.

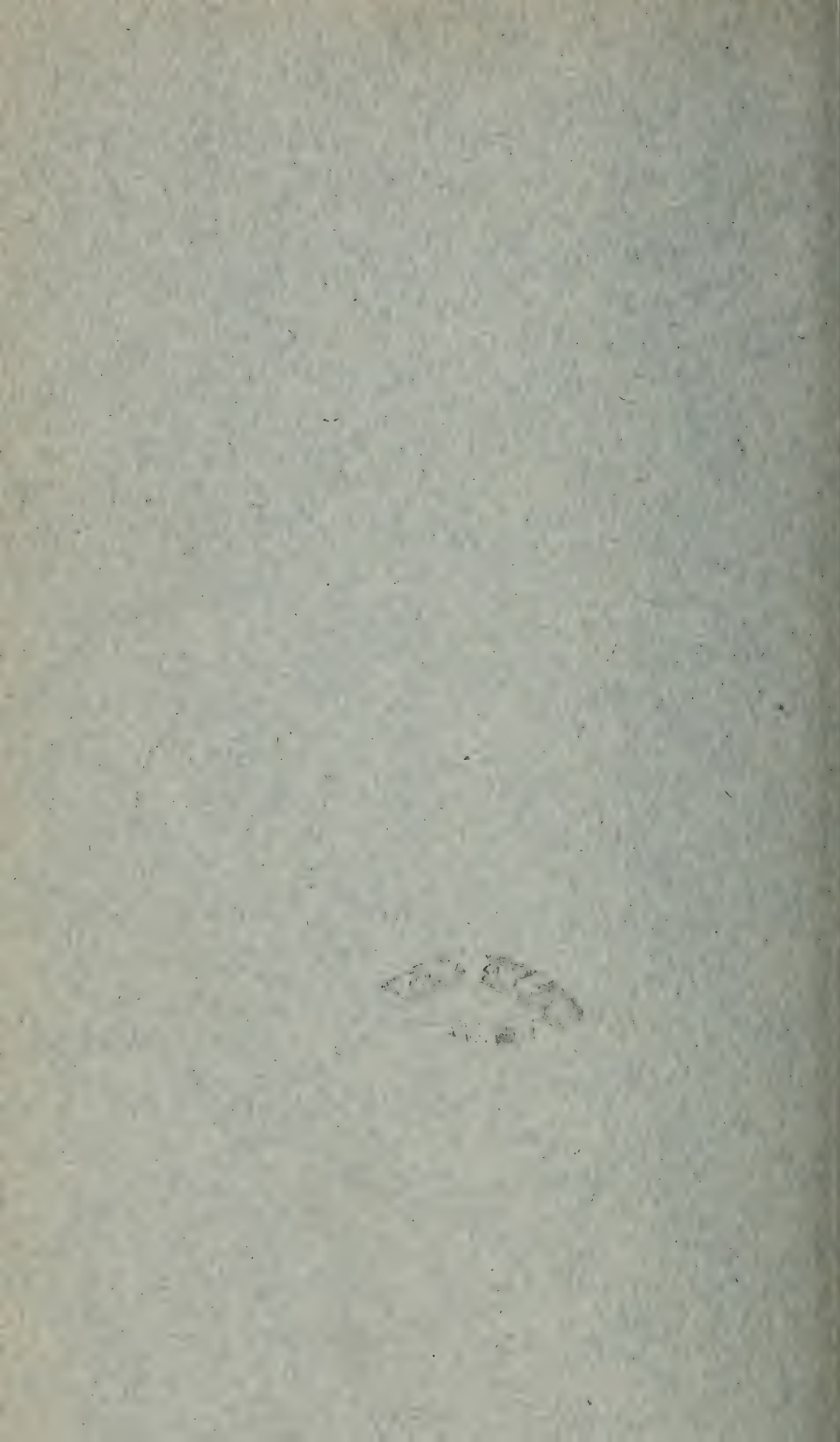
WEDNESDAY	THURSDAY	FRIDAY
<p>Greek (Kirk) German French</p> <p>Psychology, Div. A (Leuba) Div. B (Sabin)</p> <p>Greek, Euripides (Sanders) 19th Century Literature (Beck) Hoppin's Mathematics, Calculus Chemistry (Lanman)</p> <p>German Composition and Reading (Jessen)</p> <p>Psychology, Applied (Rand)</p> <p>Geology (Bascom)</p> <p>English Composition, 2nd year (Dunn)</p> <p>English Poets (Chew) German Reading (Jessen) Spanish (DeHaan) History from 1517 to 1789 (W. R. Smith) Biology (Peebles)</p> <p>Recent Philosophical Tendencies (T. de Laguna) 18th Century Painting (G. G. King) Geology (Bascom)</p> <p>National Psychology (Arlitt)</p> <p>Physics (Barnes) Chemistry (Brunel)</p> <p>Petrography (Bascom)</p> <p>English Literature, 1st year (Donnelly)</p> <p>Italian (Vatar) Oriental History, History of the Near East (Barton)</p> <p>Introduction to Government and Politics, Div. A (Fenwick) Div. B</p> <p>Elementary Logic and Ethics (G. de Laguna) General Archaeology (Hoppin)</p> <p>Latin Comedy (Wheeler) Spanish Grammar (DeHaan) History of the Renaissance (Gray) Physics Laboratory Chemistry (Brunel)</p> <p>Mathematics (Scott)</p> <p>Systematic Psychology (Ferree)</p> <p>Latin, Terence, Div. C (Wheeler) Div. A Div. B (Swindler)</p> <p>Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes) Geology (F. J. Wright)</p> <p>Greek, Sophocles (Sanders) Shakespeare French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology (Tennent)</p>	<p>Greek (Kirk) German French</p> <p>Psychology, Div. A (Leuba) Div. B (Sabin)</p> <p>Greek, Homer (W. C. Wright) French, Reading and Composition (Beck) Ancient Architecture (Hoppin) Mathematics, Algebra Chemistry, Demonstration (Lanman)</p> <p>German, Faust (Jessen) Ancient History, Roman Life (Frank) Psychology, Applied (Rand)</p> <p>Physics Journal Club (— and Barnes) Geology (F. J. Wright) Biology Journal Club (Tennet and Peebles)</p> <p>English Composition, 2nd year (Dunn)</p> <p>English Poets (Chew) German Literature (Jessen) Spanish (DeHaan) History from 1517 to 1789 (W. R. Smith) Biology, Demonstration (Peebles)</p> <p>Recent Philosophical Tendencies (T. de Laguna) Renaissance Sculpture (G. G. King) Geology Laboratory (Bascom)</p> <p>Education (Castro)</p> <p>Middle High German Physical Chemistry (Lanman)</p> <p>English Literature, 1st year (Donnelly)</p> <p>Italian (Vatar)</p> <p>Introduction to Government and Politics, Div. A (Fenwick) Div. B</p> <p>Elementary Logic and Ethics (G. de Laguna) Ancient Rome (Swindler)</p> <p>Latin Literature (Frank) Spanish Literature (DeHaan) History of the Renaissance (Gray) Physics Laboratory Chemistry Laboratory (Brunel)</p> <p>Literary History (W. C. Wright) Geology (F. J. Wright)</p> <p>Latin, Horace, Div. B (Frank) Div. A (Swindler) Div. C</p> <p>Psychology of Instinct and Emotion (Leuba) Gothic Architecture (G. G. King) Physics, Demonstration (Barnes) Geology (F. J. Wright)</p> <p>Greek Literature (W. C. Wright) Shakespeare French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology Laboratory (Tennent)</p> <p>History of the U. S. from 1865 (W. R. Smith)</p> <p>Chemistry Journal Club (Brunel and Lanman)</p>	<p>Greek (Kirk) German French</p> <p>Psychology, Div. A (Leuba) Div. B (Sabin)</p> <p>Greek, Herodotus (Sanders) French, 19th Century Literature (Beck) Crete (Hoppin) Mathematics, Calculus Chemistry (Lanman)</p> <p>German Literature (Jessen)</p> <p>Psychology, Applied (Rand)</p> <p>Map Interpretation (F. J. Wright)</p> <p>Physics Geology (Bascom)</p> <p>English Composition, 2nd year (Dunn)</p> <p>English Poets (Chew) German Reading (Jessen) Spanish (DeHaan) History from 1517 to 1789 (W. R. Smith) Biology (Peebles)</p> <p>Recent Philosophical Tendencies (T. de Laguna) 17th and 18th Century Painting (G. G. King) Geology Laboratory (Bascom)</p> <p>Educational Psychology (Arlitt)</p> <p>Physics (Barnes) Chemistry (Brunel)</p> <p>Petrography (Bascom)</p> <p>English Literature, 1st year (Donnelly)</p> <p>Italian (Vatar) Oriental History, History of the Near East (Barton)</p> <p>Introduction to Government and Politics, Div. A (Fenwick) Div. B</p> <p>Elementary Logic and Ethics (G. de Laguna) General Archaeology (Hoppin)</p> <p>Latin Comedy (Wheeler) Spanish Reading (DeHaan) History of the Renaissance (Gray) Physics Laboratory Chemistry Laboratory (Brunel)</p> <p>Systematic Psychology (Ferree)</p> <p>Latin, Terence, Div. C (Wheeler) Div. A Div. B (Swindler)</p> <p>Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes) Geology (F. J. Wright)</p> <p>Greek, Thucydides (Sanders) Shakespeare French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Biology Laboratory (Tennent)</p>

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Minor (Barnes) Chemistry, Minor (Lanman) Geology, Minor, Field Work (F. J. Wright) Biology, Minor (Peebles)	Physics, Minor (Barnes) Chemistry, Minor (Lanman) Geology, Minor (F. J. Wright) Biology, Minor (Peebles)
	POST-MAJOR	Greek, Pindar (Sanders)	Greek, Pindar (Sanders)
	GRADUATE	French, Rabelais (Vatar) Economics and Politics, American Social Problems (Marion P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)	French, Rabelais (Vatar) Economics and Politics, American Social Problems (Marion P. Smith) Spanish Painting (G. G. King) Mathematics (Scott)
3	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Minor (Barnes) Chemistry, Minor (Lanman) Geology, Minor, Field Work (F. J. Wright) Biology, Minor (Peebles)	Physics, Minor (Barnes) Chemistry, Minor (Lanman) Geology, Minor (F. J. Wright) Biology, Minor (Peebles)
	ELECTIVE	Elocution, Reading of Shakespeare (S. A. King) Biblical Literature (Barton)	Elocution, Reading of Shakespeare (S. A. King) History of the Far East (Barton) Advanced Experimental Psychology (Kellogg)
	POST-MAJOR	Latin, Prose of the Empire (Frank) History, American Constitutional (William R. Smith) Social Betterment (Kingsbury)	Latin, Prose of the Empire (Frank) History, American Constitutional (William R. Smith) Social Betterment (Kingsbury) Mathematics
	GRADUATE	Teutonic Seminary, 3-5 Foundations of French Grammar (Beck) Legal Procedure (Kellogg) Advanced Social Statistics (Bezanson) Psychology Journal Club (Leuba, Ferree, and Rand) Seminary in Modern Painting (G. G. King), 2-4	Greek Seminary, Greek Orators and Seminary in English Literature, 3-4.30 Seminary in French Literature (Scott), 3-4.30 Legal Procedure (Kellogg) Advanced Social Statistics (Bezanson)
4	GRADUATE	Latin Seminary, Cicero (Frank), 4-6 Seminary in English Literature (Donnelly), 4-6 Seminary in Mediaeval French Literature (Beck), 4-6 Seminary in New Testament Greek (Barton) History Journal Club (Gray, W. R. Smith, and), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick), 4-6. Alternate Weeks Seminary in Social Economy Practicum (Kingsbury and Kellogg), 4-6. Alternate Weeks Social Economy Journal Club (Kingsbury, Kellogg, Bezanson), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Mathematics (Scott), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and), 4.30-6. Alternate Weeks Middle English Seminary, 4.30-6 German Journal Club (Jessen and), 4.30-6. Alternate Weeks Semitic Seminary (Barton) Seminary in European History (Fenwick), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Ethics (Theodore), 4-6 Seminary in Educational Psychology (Castro), 4-6 Mathematical Journal Club (Scott), alternate Weeks Seminary in Physiology (Peebles), 4-6
5	GRADUATE	Introduction to Teutonic Philology (Sehrt) Spanish Seminary (DeHaan)	Comparative Semitic Grammar (Scheidt)

SECOND SEMESTER, 1918-19 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>istry, Major (Brunel)</p> <p>1. Sophocles (Sanders) 2. Composition (Frank) 3. Reading (Jessen) 4. Lyric Poetry (Schenck) 5. Economics and Politics, American Social Economics (Marion P. Smith) 6. Painting (G. G. King) 7. History (Van Rossum) 8. Embryology (Tennent)</p> <p>9. Old French Philology (Beck), 2-4 10. Seminary (Hoppin), 2-4 11. Treatment (Kellogg) 12. Tests (Arlitt), 2-4 13. Journal Club (Bascom, J. J.) 14. 3.15-4.15</p>	<p>Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Major (Tennent)</p> <p>Greek, Sophocles, <i>Ajax</i> (W. C. Wright)</p> <p>German Literature (Jessen) French, Lyric Poetry (Schenck) Economics and Politics, International Law (Fenwick) Renaissance Architecture (G. G. King)</p> <p>Seminary in European History (Gray) Seminary in Industrial Peace (Bezanson), 2-4 Ancient Painting (Swindler)</p>	<p>Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Major (Tennent)</p> <p>German Literature (Jessen) French, Lyric Poetry (Schenck) Economics and Politics, International Law (Fenwick) Renaissance Architecture (G. G. King)</p> <p>Greek, Seminary, Homeric Question (Wright), 2-4</p>
<p>istry, Major (Brunel)</p> <p>1. Fiction (Crandall) 2. Literature (Barton) 3. Statistics (Bezanson)</p> <p>4. Sophocles, <i>Ajax</i> (W. C. Wright) 5. Prose of the Empire (Frank) 6. History, England under the Tudors (Gray) 7. Semantics 8. Nervous System (Peebles)</p> <p>9. The Essay (Jessen) 10. Seminary in Politics (Fenwick)</p>	<p>Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Major (Tennent)</p> <p>The Short Story (Crandall) History of the Far East (Barton)</p> <p>Roman Elegy (Wheeler) History, England under the Tudors (Gray)</p> <p>Greek Seminary, Greek Orators (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Comparative Teutonic Grammar Seminary in French Literature (Schenck), 3-4.30 Philosophical Journal Club (Theodore de Laguna, Grace de Laguna, and Avey), 3-4.30</p>	<p>Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Major (Tennent)</p> <p>Roman Elegy (Wheeler) History, England under the Tudors (Gray)</p> <p>English Journal Club (Donnelly, Chew, and Crandall), 3-4.30. Alternate Weeks Gothic Romance Languages Journal Club (DeHaan, Schenck, Beck, and Vatar), 3-4.30. Alter- nate Weeks Archaeological Journal Club (Hoppin), Swindler), 3-4.30. Alternate Weeks</p>
<p>1. Seminary, Latin Comedy (Wheeler), 4-6 2. Seminary in English Composition (Crandall), 4-6 3. High German 4. Romance Philology (Beck), 4.30-6 5. Seminary, 4-6 6. Seminary in History of Religion (Barton) 7. Seminary in American History (William R. Arlitt), 4-6 8. Seminary in Social Research (Kingsbury) 9. Seminary in Social and Political Philosophy (de Laguna), 4-6 10. Seminary in Principles and Methods of Education (Castro), 4.30-6 11. Seminary in Zoology (Tennent), 4.30-6 12. High German 13. Seminary (DeHaan)</p>	<p>Middle English Seminary, 4.30-6</p> <p>Seminary in German Literature (Jessen), 4-6 Middle Low German Semitic Seminary (Barton) Seminary in Social Theory (Kellogg), 4-6 Mathematics Education Journal Club (Castro and Arlitt), 4.30-6</p> <p>Journal Club in History of Art (G. G. King), 4.30-6. Alternate Weeks Seminary in Physiology (Peebles), 4.30-6</p> <p>Ethiopic (Barton)</p>	<p>Latin Seminary, Latin Comedy (Wheeler), 4-6</p> <p>Middle High German Romance Philology (Beck), 4.30-6 Seminary in Economics (Marion P. Smith), 4-6 Seminary in History of Philosophy (Sabin), 4-6 Seminary in Principles and Methods of Education (Castro), 4.30-6 Seminary in Petrology (Bascom), 4.30-6</p> <p>Old High German</p>



BRYN MAWR COLLEGE

CALENDAR

GRADUATE COURSES

1919

BRYN MAWR, PENNSYLVANIA.
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BRYN MAWR COLLEGE CALENDAR

1919

- PART 1. Register of Alumnæ and Former Students.
- PART 2. Graduate Courses.
- PART 3. Undergraduate and Graduate Courses.
- PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1919.														1920.														1921.													
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The academic year will close with the Conferring of Degrees at eleven o'clock, on June 3rd, 1920.

ACADEMIC YEAR, 1919-20.

September 22nd.	Matriculation examinations begin.
September 29th.	Registration of students. Halls of Residence open for students at three p. m.
September 30th.	Registration of students. Matriculation examinations end.
October 1st.	The work of the thirty-fifth academic year begins at a quarter to nine o'clock.
October 2nd.	Examinations for advanced standing begin.
October 4th.	Language examinations for all undergraduates.
October 11th.	Senior examination in French. Language examinations for Juniors.
October 18th.	Senior examination in German.
October 23rd.	Examinations for advanced standing end.
November 17th.	Collegiate and matriculation condition examinations begin.
November 25th.	Collegiate and matriculation condition examinations end.
November 26th.	Thanksgiving vacation begins at one o'clock.
December 1st.	Thanksgiving vacation ends at nine o'clock.
December 6th.	Senior examination in French.
December 13th.	Senior examination in German.
December 22nd.	Christmas vacation begins at one o'clock.
January 6th.	Christmas vacation ends at nine o'clock.
January 14th.	Matriculation examinations begin.
January 20th.	Matriculation examinations end.
January 21st.	Half-yearly collegiate examinations begin.
January 31st.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 2nd.	Vacation.
February 3rd.	Vacation.
February 4th.	The work of the second semester begins at a quarter to nine o'clock.
February 5th.	Examinations for advanced standing begin.
February 26th.	Examinations for advanced standing end.
March 13th.	Senior examination in French.
March 16th.	Mid-semester examination in matriculation Greek.
March 19th.	Announcement of European Fellowships.
March 20th.	Senior examination in German.
March 22nd.	Collegiate and matriculation condition examinations begin.
March 30th.	Collegiate and matriculation condition examinations end.
March 31st.	Easter vacation begins at one o'clock.
April 8th.	Easter vacation ends at nine o'clock.
May 8th.	Senior examinations in French and German.
May 18th.	Vacation.

May 19th.	Collegiate examinations begin.
May 26th.	Matriculation examinations begin.
May 29th.	Collegiate examinations end.
June 2nd.	Matriculation examinations end.
June 3rd.	Conferring of degrees and close of thirty-fifth academic year.

ACADEMIC YEAR, 1920-21.

September 20th.	Matriculation examinations begin.
September 27th.	Registration of students. Halls of Residence open for students at three p. m.
September 28th.	Registration of students. Matriculation examinations end.
September 29th.	The work of the thirty-sixth academic year begins at a quarter to nine o'clock.
September 30th.	Examinations for advanced standing begin.
October 2nd.	Language examinations for all undergraduates.
October 9th.	Senior examination in French. Language examinations for Juniors.
October 16th.	Senior examination in German.
October 21st.	Examinations for advanced standing end.
November 15th.	Collegiate and matriculation condition examinations begin.
November 23rd.	Collegiate and matriculation condition examinations end.
November 24th.	Thanksgiving vacation begins at one o'clock.
November 29th.	Thanksgiving vacation ends at nine o'clock.
December 4th.	Senior examination in French.
December 11th.	Senior examination in German.
December 21st.	Christmas vacation begins at one o'clock.
January 5th.	Christmas vacation ends at nine o'clock.
January 12th.	Matriculation examinations begin.
January 18th.	Matriculation examinations end.
January 19th.	Half-yearly collegiate examinations begin.
January 29th.	Collegiate examinations end. Annual meeting of the Alumnae Association.
January 31st.	Vacation.
February 1st.	Vacation.
February 2nd.	The work of the second semester begins at a quarter to nine o'clock.
February 3rd.	Examinations for advanced standing begin.
February 24th.	Examinations for advanced standing end.
March 12th.	Senior examination in French.
March 14th.	Collegiate and matriculation condition examinations begin.
March 16th.	Mid-semester examination in matriculation Greek.
March 18th.	Announcement of European Fellowships.

March 19th.	Senior examination in German.
March 22nd.	Collegiate and matriculation condition examinations end.
March 23rd.	Easter vacation begins at one o'clock.
March 31st.	Easter vacation ends at nine o'clock.
May 7th.	Senior examinations in French and German.
May 17th.	Vacation.
May 18th.	Collegiate examinations begin.
May 25th.	Matriculation examinations begin.
May 28th.	Collegiate examinations end.
June 1st.	Matriculation examinations end.
June 2nd.	Conferring of degrees and close of thirty-sixth academic year.

ACADEMIC YEAR, 1921-22.

September 26th.	Matriculation examinations begin.
October 3rd.	Registration of students. Halls of Residence open for students at three p. m.
October 4th.	Registration of students. Matriculation examinations end.
October 5th.	The work of the thirty-seventh academic year begins at a quarter to nine o'clock.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1918-19.

*President,*M. CAREY THOMAS, Ph.D., LL.D., L.H.D.
Office: Taylor Hall.*Dean of the College,*HELEN HERRON TAFT, A.M.
Office: Taylor Hall.*Recording Dean and Assistant to the President,*ISABEL MADDISON, B.Sc., Ph.D.
Office: Taylor Hall.*Secretary and Registrar of the College,*

EDITH ORLADY, A.B. Office: Taylor Hall.

Assistant to the Secretary and Registrar of the College,

MARIAN CLEMENTINE KLEPS, A.B. Office: Taylor Hall.

Wardens of the Halls of Residence,

MARTHA GIBBONS THOMAS, A.B., Pembroke Hall.

ALICE MARTIN HAWKINS, A.B., Merion Hall.

LETITIA BUTLER WINDLE, A.B., Radnor Hall.

ADELINE WERNER VORYS, A.B., Rockefeller Hall.

KATHARINE WALKER MCGIFFERT, A.B., Denbigh Hall.

Comptroller,

SANDY LEE HURST. Office: Taylor Hall.

Business Manager,

LOUISE WATSON, A.B. Office: Taylor Hall.

Assistant Business Manager,

RUTH ELLEN LAUTZ, A.B. Office: Taylor Hall.

Junior Bursar,

HARRIET JEAN CRAWFORD, A.B. Office: Cartref.

Librarian,

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

Director of Athletics and Gymnastics and Supervisor of Health Department,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

*Physician-in-Chief,*THOMAS F. BRANSON, M.D. Office hours, 8.30 to 9.30 and 2 to 3 daily,
Rosemont, Pa.*Assistant Resident Physician,*MARION HAGUE REA, M.D., 1905 Infirmary, Bryn Mawr; Office hours,
The Infirmary, Bryn Mawr College, 8 to 8.30 a. m., 4 to 5.30 p. m.,
daily except Saturday and Sunday.*Examining Oculist,*HELEN MURPHY, M.D. Office hours, 2 to 4 daily, 1408 Spruce Street,
Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1918-19.

M. CAREY THOMAS, PH.D., LL.D., L.H.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zurich, 1882. Student in the Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

HELEN HERRON TAFT, A.M., *Dean of the College.*

A.B., Bryn Mawr College, 1915; A.M., Yale University, 1916. Graduate Student, Yale University, 1915-17.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

GEORGE A. BARTON, PH.D., LL.D., *Professor of Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891. Director of the American School of Oriental Study and Research in Palestine, 1902-03; LL.D., Haverford College, 1914.

FLORENCE BASCOM, PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

WILMER CAVE WRIGHT, PH.D., *Associate Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-94; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D.,* *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, PH.D., *Alumnæ Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

* Granted leave of absence for the year 1917-18.

HENRY NEVILL SANDERS, PH.D., *Alumnæ Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF,* PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH,† PH.D., *Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY, A.B., *Mary E. Garrett Memorial Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

KARL DETLEV JESSEN, PH.D., *Professor of German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901. University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Æsthetics, 1904.

TENNEY FRANK, PH.D., *Professor of Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903. Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04; Visiting Professor, American Academy in Rome, 1916-17.

DAVID HILT TENNENT, PH.D., *Professor of Biology.*

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

JAMES BARNES, PH.D., *Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06; Resident Fellow, University of Manchester, 1915.

THEODORE DE LEO DE LAGUNA, PH.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION PARRIS SMITH,† PH.D., *Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

CLARENCE ERROL FERREE, PH.D., *Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

GRACE MEAD ANDRUS DE LAGUNA, PH.D., *Associate Professor of Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow of Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

* Granted leave of absence for the year 1918-19.

† Granted leave of absence for the year 1919-20.

REGINA KATHARINE CRANDALL, PH.D., *Margaret Kingsland Haskell Professor of English Composition.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

EDITH ORLADY, A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary and Appointment Secretary, 1910-12.

ROGER FREDERIC BRUNEL, PH.D., *Professor of Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, PH.D., *Phebe Anna Thorne Professor of Education and Director of the Phebe Anna Thorne Model School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

GERTRUDE RAND, PH.D., *Associate in Experimental and Applied Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, PH.D., *Associate Professor of French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12; Dean of the College, Bryn Mawr College, 1916-17.

SAMUEL CLAGGETT CHEW, PH.D., *Associate Professor of English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

JEAN BAPTISTE BECK, PH.D., *Associate Professor of Mediæval French Literature.*

Guebwiller, Alsace. Baccalaureate in Rhetoric, Sorbonne, 1900; Baccalaureate in Philosophy, Sorbonne, 1901; Ph.D., University of Strassburg, 1907; State Examination *pro facultate docendi*, 1908. Professor of Latin and German in the Ecole Alsacienne, Paris, 1909; Director of Advanced Courses for Teachers in Gymnasias, University of Vienna, 1910; Professor of French Literature, Wiener Handels-Akademie, 1910; Assistant Professor of Romance Languages, University of Illinois, 1911-14; Instructor in Romance Languages and Literatures, University of Chicago, Summer Quarter, 1912.

SUSAN MYRA KINGSBURY, PH.D., *Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate, and Professor in Economics, Simmons College and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

GEORGIANA GODDARD KING, * A.M., *Professor of the History of Art.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

* Granted leave of absence for the year 1919-20.

RHYS CARPENTER,* PH.D., Associate Professor and Professor (elect) of Classical Archaeology.

A.B., Columbia University, 1909, and Ph.D., 1916; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13.

CHARLES GHEQUIERE FENWICK, PH.D., Professor of Political Science.

A.B., Loyola College, 1907; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

HOWARD LEVI GRAY,† PH.D., Professor of History.

A.B., University of Rochester, 1897; A.B., Harvard University, 1898, A.M., 1900, and Ph.D., 1907. Instructor in History, Harvard University, 1909-13, and Assistant Professor of History, 1914-15.

JAMES LLEWELLYN CRENSHAW,* PH.D., Associate in Physical Chemistry.

A.B., Centre College, 1907, and A.M., 1908; Ph.D., Princeton University, 1911. Assistant Chemist in the Geo-Physical Laboratory of the Carnegie Institution, Washington, D. C., 1910-15.

HOWARD JAMES SAVAGE,* PH.D., Associate Professor of Rhetoric and Director of the Work in English Composition.

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13, and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09; 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915.

HOWARD ROLLIN PATCH, PH.D., Associate in English Philology.

A.B., Hobart College, 1910; A.M., Harvard University, 1912, and Ph.D., 1915. Assistant in English, Harvard University, 1912-13; John Harvard Fellow, 1912-15; Instructor in English, Harvard University and Radcliffe College, 1915-16.

ETHEL ERNESTINE SABIN, PH.D., Associate in Philosophy.

A.B., University of Wisconsin, 1908, and A.M., 1914; Ph.D., University of Illinois, 1916. Graduate Scholar, University of Wisconsin, 1913-14; Fellow, University of Illinois, 1914-16; Assistant in English, University of Illinois, 1916-17.

ADA HART ARLITT, PH.D., Associate in Educational Psychology.

A.B., H. Sophie Newcomb Memorial College of Tulane University, 1913; Ph.D., University of Chicago, 1917. Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14; Fellow in Psychology, University of Chicago, 1914-16; Fellow in Sprague Institute, 1916-17.

FLORENCE PEEBLES, PH.D., Associate Professor of Physiology.

A.B., Woman's College of Baltimore, 1895; Ph.D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04, 1906-11; Holder of the Mary E. Garrett European Fellowship, Scholar of the Woman's Table, and Student in Biology, Zoological Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Student, University of Bonn, summer, 1906; Teacher of Science in Miss Wright's School, Bryn Mawr, 1906-11, 1913-15; Holder of American Woman's Table in Zoological Station, Naples, spring, 1907; Assistant Demonstrator in Biology, Bryn Mawr College, 1907-10; Private Tutor, 1907-12, 1913-15; Fellow of the Association of Collegiate Alumnae, Boston Branch, and Student and Research Worker, Germany and France, 1912-13; Lecturer in Biology, Bryn Mawr College, as substitute for Professor of Biology, Oct. to Dec. 1913; Professor of Biology and Head of Department, H. Sophie Newcomb Memorial College, Tulane University, 1915-17.

JOSEPH CLARK HOPPIN, PH.D., Professor of Classical Archaeology.

A.B., Harvard University, 1893; Ph.D., University of Munich, 1896. American School of Classical Studies, Athens, Winter Semester, 1893-94, 1895-96; University of Berlin, Summer Semester, 1893-94; University of Munich, 1894-95; Summer Semester, 1895-96; American School of Classical Studies, Athens, 1896-97, Lecturer on Greek Vases, 1897-98, and Professor of Greek Language and Literature, 1904-05; Instructor in Greek Art, Wellesley College, 1898-99. Associate in Classical Art and Archaeology, Bryn Mawr College, 1899-1901, and Associate Professor, 1901-04. *Replacing Dr. Rhys Carpenter absent on War Service.*

* Granted leave of absence for Military Service for the years 1917-19.

† Granted leave of absence for the year 1918-19.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.* Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902.

ANNA JOHNSON PELL, Ph.D., *Associate Professor of Mathematics.*

A.B., University of South Dakota, 1903; M.S., University of Iowa, 1904; A.M., Radcliffe College, 1905; Ph.D., University of Chicago, 1910; Holder of Alice Freeman Palmer Fellowship of Wellesley College and Student in Mathematics, University of Göttingen, 1906-07; Instructor in Mathematics, Mount Holyoke College, 1911-14, and Associate Professor of Mathematics, 1914-18.

CHARLES WENDELL DAVID, Ph.D., *Associate Professor of History.*

B.A., Oxford University, 1911; A.M., University of Wisconsin, 1912; Ph.D., Harvard University, 1918; Instructor in History, University of Washington, 1915-18.

CLAUDE RIVIÈRE, *Agrégée des Lettres, Associate in French.*

Paris, France. Agrégée des Lettres de l'Université de Paris, 1904. Professor at the Lycée de Jeunes Filles de Toulouse, Paris, France, 1907-10; Substitute Professor in the Lycées Racine, Victor Hugo, Fénelon, and Lakanal, Paris, 1905-18.

ANNA LANE LINGELBACH, Ph.D., *Lecturer in History.*

A.B., University of Indiana, 1895, and A.M., 1896; Ph.D., University of Pennsylvania, 1916. Graduate Student, University of Chicago, 1896, 1897-98; Sorbonne, 1910-11.

MARY HAMILTON SWINDLER, Ph.D., *Instructor in Latin and Classical Archaeology.*

A.B., University of Indiana, 1907, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, in Miss Wright's School, Bryn Mawr, 1911-12, and in the Phebe Anna Thorne Model School, 1914-17.

ESTHER CLOUDMAN DUNN, A.B., *Instructor in English Composition and Acting Director of First and Second Year English Composition.*

A.B., Cornell University, 1913. Replacing Dr. Howard James Savage absent on War Service.

ANGIE LILLIAN KELLOGG, A.M., *Instructor in Social Economy and Social Research.*

A.B., Vassar College, 1903, and A.M., 1904. Resident Fellow, Vassar College, 1903-04; Teacher of English, Schenectady High School, N. Y., 1904-10; Law Student, 1910-11; Fellow in Philosophy, Bryn Mawr College, 1911-13, and Graduate Scholar and Fellow by Courtesy, 1913-14; Holder of Mary Richardson and Lydia Pratt Babbott Fellowship of Vassar College, 1913-14; awarded A. C. A. European Fellowship for 1914-15; Probation Officer for Girls in Watertown, N. Y., Agent for S. P. C. C. Society of Jefferson Co., N. Y., and Superintendent of Bureau of Charities, Watertown, N. Y., summer of 1912; Officer at Bedford Reformatory, N. Y., summer of 1913; Jefferson County Agent for Dependent and Delinquent Children, 1914-16; Research Field Worker for the New York School of Philanthropy, January to May, 1916.

EMILY GIFFORD NOYES, A.B., *Instructor in English Composition.*

A.B., Bryn Mawr College, 1915. Student in the School of Journalism, Columbia University, 1915-16, and Graduate Student in English, 1916-17.

HELEN MCGREGOR NOYES, A.B., *Instructor in English Composition.*

A.B., Radcliffe College, 1915. Teacher in Dana Hall, Wellesley, Mass., 1916-17.

AGNES RUTHERFORD RIDDELL, Ph.D., *Instructor in Italian.*

A.B., University of Toronto, 1896, with first class honours in Modern Languages; and A.M., 1897. Honours, Ontario Normal College, 1898. Ph.D., University of Chicago, 1916. Teacher of French and German, Oshawa High School, 1898-1901; Assistant Reader, Department of English, University of Toronto, 1902-11; Teacher of English, Branksome Hall, Toronto, 1904-05; Teacher of German, Latin and English, Westbourne School, Toronto, 1906-10, 1913-14; Graduate Student in Romance Languages, University of Chicago, January, 1912, to August, 1913; Fellow in Romance Languages, University of Chicago, 1914-15; Acting Head of Kelly Hall, University of Chicago, summers of 1913, 1914 and 1915; Professor of Romance Languages, College of Emporia, Emporia, Kansas, 1915-17; Dean of Women, College of Emporia, 1915-17.

ANNE BEZANSON, A.M., *Instructor in Social Economy and Social Research*.
A.B., Radcliffe College, 1915, and A.M., 1916. Harvard University, 1915-16; Manager of Business Firm, 1903-11; Assistant in Economic Research, Harvard University 1916-18; Lecturer on Statistics, Wellesley College, 1917-18.

MARJORIE LORNE FRANKLIN, A.M., *Instructor in Economics and Politics*.
A.B., Barnard College, 1913, and A.M., Columbia University, 1916. Graduate Scholar, Bryn Mawr College, 1913-14 and Fellow in Economics, 1914-15; Columbia University, 1915-16; Library Assistant, American Telephone and Telegraph Co., 1916-17; Instructor in Political Science, Vassar College, 1917-18.

HELEN E. FERNALD, A.B., *Instructor in History and Art*.

A.B., Mount Holyoke College, 1914. Teachers' College, 1916-18; Scientific Artist and Research Assistant, Columbia University, 1915-18.

MARY AGNES QUIMBY, A.M., *Instructor in German*.

A.B., Bryn Mawr College, 1906; A.M., Cornell University, 1916; Ph.D., University of Pennsylvania, 1918; Teacher of German and History in the Berwyn High School, 1907-14; Graduate Student, Cornell University, 1915-16; Pepper Fellow in Germanics, University of Pennsylvania, 1916-18.

MARGARET STEEL DUNCAN, *Instructor in French and Spanish*.

A.B., Bryn Mawr College, 1908, and A.M., University of Illinois, 1910; Ph.D., University of Pennsylvania, 1918; Honorary Fellow in Romance Languages, University of Illinois, 1909-10; Instructor in Romance Languages, Hiram College, 1910-12, 1913-14; Student in the Sorbonne and in Madrid, Spain, 1912-13; Graduate Student, Department of Romance Languages, 1916-17; and Joseph M. Bennett Fellow in Romanics, University of Pennsylvania, 1917-18; Associate Professor of Romance Languages, Temple University, Philadelphia, 1916-18.

MALCOLM HAVENS BISSELL, A.M., *Instructor in Geology*.

Ph.B., Yale University, 1911 and A.M., 1918; Instructor in Engineering, University of Pittsburgh, 1913-14; Assistant in Geography, Yale University, 1917-18; with Connecticut Geological Survey, 1917.

EDITH HAMILTON LANMAN, A.M., *Instructor in Chemistry*.

A.B., Radcliffe College, 1914; A.M., University of California, 1915. Graduate Student, University of California, 1914-15.

SUE AVIS BLAKE, A.M., *Instructor in Physics*.

A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics, 1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.

CAROLINA MARCIAL DORADO, A.B., *Instructor in Spanish*.

A.B., Instituto Cardenal Cisneros, Madrid, 1907. Graduate Student, Wellesley College, 1909-10; University of Porto Rico, 1914-16; University of Madrid, Summer School, 1913; Columbia University and University of Pennsylvania, 1918-19; Instructor in Spanish Wellesley College, 1907-11; Assistant Professor of Spanish Literature, University of Porto Rico, 1911-17; Head of the Spanish Department of Ginn and Co., 1917-18.

ESTHER PARKER ELLINGER, Ph.D., *Instructor in English Composition*.

A.B., Goucher College, 1915; Ph.D., University of Pennsylvania, 1918.

MARGARET W. WATSON, A.M., *Instructor in English Composition*.

A.B., Barnard College, 1913, and A.M., Columbia University, 1917. Lecturer in German, Barnard College, 1917-18.

ABBY KIRK, A.B., *Reader in Elementary Greek*.

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98; Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899-1919.

EVA ALICE WORRALL BRYNE, A.M., *Reader in English*.

A.B., Bryn Mawr College, 1916, and A.M., 1917. Graduate Scholar in Latin, Bryn Mawr College, 1916-17.

BIRD MARGARET TURNER, A.M., *Reader in Mathematics.*

A.B., University of West Virginia, 1915, and A.M., 1916. Teacher in Graded Schools, Moundsville, W. Va., 1896-1900; Teacher of Mathematics in the Moundsville High School, 1900-13; Student Assistant in Mathematics, University of West Virginia, 1913-15; Graduate Student in Mathematics, University of West Virginia, 1914-15; and Assistant in the University summer schools, 1914 and 1915; Principal of High School, Moundsville, 1915-16; Scholar in Mathematics, Bryn Mawr College, 1916-17; President's European Fellow (elect) 1917-18.

MARY RUTH ALMACK, A.M., *Assistant Demonstrator in Experimental Psychology.*

A.B., Ohio State University, 1915, and A.M., 1916. Fellow in Psychology, Bryn Mawr College, 1916-18.

ISTAR ALIDA HAUPT, A.M., *Assistant Demonstrator in Applied Psychology.*

A.B., Bryn Mawr College, 1917, and A.M., 1918. Scholar in Psychology, Bryn Mawr College, 1917-18.

HARRIET HOBBS, A.B., *Demonstrator in Chemistry.*

A.B., Bryn Mawr College, 1918.

NORAH MAY MOHLER, A.B., *Demonstrator in Physics.*

A.B., Dickinson College, 1917. Scholar in Mathematics, Bryn Mawr College, 1917-18.

MARY JANE GUTHRIE, A.M., *Assistant Demonstrator in Biology.*

A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoölogy, University of Missouri, 1916-18.

HOPE HIBBARD, A.M., *Assistant Demonstrator in Biology.*

A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoölogy, University of Missouri, 1915-18.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian.*

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-12.

MARY LOUISE TERRIEN, A.B., *Circulation and Reference Librarian.*

A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15.

MARY ISABELLE O'SULLIVAN, A.B., *Head Cataloguer.*

Philadelphia. A.B., Bryn Mawr College, 1907, New York State Library School, 1915-16. Private Tutor and Night Librarian, Drexel Institute, 1908-09; Indexer, Estate of Stephen Girard, Philadelphia, 1909-15; Cataloguer, New York Public Library, 1916-17. Scholar in English Composition, Bryn Mawr College, 1917-18.

BESSIE HOMER JENNINGS, *Assistant Cataloguer.*

Graduate, Drexel Institute Library School, 1900.

H. BEATRICE BROWN, A.B., B.S., *Assistant to the Circulation and Reference Librarian.*

A.B., Wellesley College, 1917; B.S., Simmons College, 1918.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics and Supervisor of Health Department.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

HELEN REED KIRK, A.B., *Assistant Director of Athletics and Gymnastics.*

A.B., Bryn Mawr College, 1914. Teacher of Latin, History, and Athletics in the Holman School, Philadelphia, 1914-16.

JEANNE HAMMER, *Gymnasium Demonstrator.***CAROL S. KEAY, *Gymnasium Demonstrator.*****DOROTHY GRAY CRANE, *Gymnasium Demonstrator.***

ADMINISTRATIVE AND EXECUTIVE APPOINTMENTS.

M. CAREY THOMAS, PH.D., LL.D., L.H.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zurich, 1882. Student in the Sorbonne and College de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

HELEN HERRON TAFT, A.M., *Dean of the College.*

A.B., Bryn Mawr College, 1915; A.M., Yale University, 1916; Graduate Student, Yale University, 1915-17.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

EDITH ORLADY, A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary, and Appointment Secretary, 1910-12.

MARIAN CLEMENTINE KLEPS, A.B., *Assistant to the Secretary and Registrar.*

A.B., and Bryn Mawr European Fellow, Bryn Mawr College, 1916. Assistant to the Recording Secretary, 1916-17; Reader in Mathematics, 1917-18.

SANDY LEE HURST, *Comptroller.*

LOUISE WATSON, A.B., *Business Manager.*

A.B., Bryn Mawr College, 1912. Teacher in Marshall College, Huntington, W. Va., 1913-14.

RUTH ELLEN LAUTZ, A.B., *Assistant Business Manager.*

A.B., Bryn Mawr College, 1912. Teacher in Friends' Academy, Moorestown, N. J., 1912-16.

JOHN J. FOLEY, *Superintendent of Mechanical Equipment.*

GEORGE C. CHANDLER, *Superintendent of Buildings and Grounds.*

HALLS OF RESIDENCE.

MARTHA GIBBONS THOMAS, A.B., *Warden of Pembroke Hall and Director of Wardens.*

A.B., Bryn Mawr College, 1889.

ALICE MARTIN HAWKINS, A.B., *Warden of Merion Hall.*

A.B., Bryn Mawr College, 1907. Teacher in Miss Robins's School, Philadelphia, 1907-08, and in the Friends' School, Germantown, 1908-09.

LETITIA BUTLER WINDLE, A.B., *Warden of Radnor Hall.*

A.B., Bryn Mawr College, 1907. Secretary and Teacher of Mathematics in the Wykeham Rise School, Washington, Conn., 1907-08; Assistant Agent of the Federated Charities of Baltimore, Md., 1908-09; Teacher of Mathematics in the Stevens School, Germantown, Philadelphia, 1909-15, and in the Gordon-Roney School, Philadelphia, 1915-16.

ADELINE AGNES WERNER VORYS,* A.B., *Warden of Rockefeller Hall.*

A.B., Bryn Mawr College, 1916. Assistant Teacher of English, Columbus School for Girls, 1917-18.

* Mrs. Webb I. Vorys.

KATHERINE WALKER MCGIFFERT, A.B., *Warden of Denbigh Hall*.
A.B., Barnard College, 1916.

HARRIET JEAN CRAWFORD, A.B., *Junior Bursar*.

A.B., Bryn Mawr College, 1902. Chairman of Sectional School Board, 35th Ward, Philadelphia, 1910-16; Warden of Rockefeller Hall, Bryn Mawr College, 1907-11.

HEALTH DEPARTMENT.

HELEN HERRON TAFT, A.M., *Head of Health Department*.

M. CAREY THOMAS, Ph.D., LL.D., *Ex-officio*.

CONSTANCE M. K. APPLEBEE, *Health Supervisor*.

THOMAS F. BRANSON, M.D., *Physician-in-Chief*.

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

MARION HAGUE REA, M.D., *Assistant Resident Physician*.

A.B., Vassar College, 1909; M.D., Woman's Medical College of Pennsylvania, 1915. Intern, Philadelphia General Hospital, 1915-16; Assistant Physician, Boston Psychopathic Hospital, 1916-17; Assistant Visiting Chief Medical Service, Philadelphia General Hospital, and Assistant in Medicine, Woman's Medical College of Pennsylvania, 1918-19.

HELEN MURPHY, M.D., *Examining Oculist*.

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians* have consented to serve as consultants:

THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consultant Physician*.

GEORGE E. DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist*.

ROBERT G. LE CONTE, M.D., 2000 Spruce Street, Philadelphia, *Consultant Surgeon*.

ARTHUR E. BILLINGS, M.D., 264 South 16th Street, Philadelphia, *Consultant Surgeon*.

FRANCIS R. PACKARD, M.D., 302 South Nineteenth Street, Philadelphia, *Consultant Aurist and Laryngologist*.

JAMES K. YOUNG, M.D., 222 South Sixteenth Street, Philadelphia, *Consultant Orthopædist*.

DEPARTMENT OF EDUCATION.

PHEBE ANNA THORNE MODEL SCHOOL.

MATILDE CASTRO, Ph.D., *Director*.

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Professor of Education, Bryn Mawr College.

* During the absence of certain of these physicians on War Service other physicians in Philadelphia have kindly consented to serve.

ELSIE GARLAND HOBSON, Ph.D., *Head Mistress.*

A.B., Boston University, 1895, and A.M., 1896; Ph.D., University of Chicago, 1916. Teacher of Greek and English, High School, Lewiston, Maine, 1896-1897; Teacher of Greek and Latin, Academy for Women, Jacksonville, Illinois, 1897-1899; Principal in Greek and Latin, Academy for Women, Jacksonville, Illinois, 1899-1900; Principal and Teacher of Greek and Latin, Michigan Seminary, Kalamazoo, Michigan, 1900-1907; Principal and Teacher of Greek and Latin, Frances Shimer Academy, Mt. Carroll, Illinois, 1907-13; Teacher of Greek and Latin, Miss Spaid's School, Chicago, Illinois, 1913-14; Head of High School Department and Teacher of Mathematics and History, Mary C. Wheeler School, Providence, Rhode Island, 1914-18.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902; Non-Resident Lecturer in English Diction, Bryn Mawr College.

MABEL PAULINE WOLFF, A.M., *Teacher of History.*

A.B., Barnard College, 1905, and A.M., Columbia University, 1915. Teacher, Public School, Patton, Pennsylvania, 1905-06, Allentown College for Women, 1906-07, Paulsboro High School, Gloucester City, N. J., 1907-11, Washington Seminary, Washington, Pa., 1911-14, and Leominster High School, Leominster, Mass., 1915-16.

IRENE ROBERTS, *Teacher of Drawing, Modelling, and Weaving.*

Student in the Normal Art and Manual Training Course, and General Art Course, Pratt Institute, 1908-10. Teacher of drawing and handwork, Rutgers' Elementary School, New Brunswick, N. J., 1910-12; Teacher of drawing, handwork, and the history of art, The Scudder School for Girls, New York City, 1912-16.

ALICE RUTH PARKER, A.M., *Teacher of Greek and Latin.*

A.B., Mount Holyoke College, 1913, and A.M., 1915. Reader in Latin, Mount Holyoke College, 1913-15; Teacher of Latin, High School, Hudson, N. Y., 1915-17; Teacher of Latin, Cortland Normal School, Cortland, N. Y., 1917-18.

MARY GRACE HAMILTON, A.B., *Teacher of English.*

A.B., University of California, 1913. Teacher of English, High Schools, California, 1913-17; Fellow in English, University of Chicago, 1917-18.

MARIE SCHOELL, *Teacher of French.**

Holder of the Certificat d'aptitude à l'enseignement de l'anglais, 1914. Student, Sorbonne, 1913-14; Student, University of Bordeaux, 1916-17; Diplôme d'études supérieures, 1916-17; Teacher in the Brioude School, 1915-16; French Graduate Scholar, Bryn Mawr College, 1917-18.

MARION MARSH TORREY, A.M., *Teacher of Mathematics.*

A.B., The Women's College in Brown University, 1916, and A.M., 1917. Teacher of Mathematics, St. Johnsbury, Vt., 1917-18.

ELIZABETH BABCOCK, A.M., *Teacher of Science.*

A.B., Leland Stanford, Jr. University, 1895, and A.M., 1896. Teacher of Science in the Hamlin School for Girls, San Francisco, Cal., 1896-97, in the High School, Azusa, Cal., 1897-98, in the High School, San Diego, Cal., 1898-1901, in the High School, Fresno, Cal., 1901-06; Work in Nature Study in the Schools in San Diego, 1908-11.

LYDIA K. ADAMS, A.B., *Teacher of English.*

A.B., University of Pennsylvania, 1916. Teacher of English in Miss Marshall's School, Oak Lane, Philadelphia, 1916-17, and in the High School, Belleville, N. J., 1917-18.

LILIAN HAYDEN HUESTON, Ph.B., *Teacher of French.†*

Ph.B., Boston University, 1889. Summer School, Harvard University, 1893, Columbia University, 1915, 1916. Simmons College, 1917; Student, The Sorbonne, 1907-10. Teacher of French and Mathematics in the Harvard Preparatory School, Boston, Mass., 1890-93, and Teacher of Science in the Bryn Mawr School, Baltimore, Md., 1893-96.

PLACIDO DE MONTOLIU, *Teacher of Jaques-Dalcroze Eurythmics (Singing, Dancing).*

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Hellerau, Germany, and only authorized Director of the Dalcroze System in the United States.

* To February 14, 1919.

† From February 17, 1919.

CONSTANCE M. K. APPLEBEE, *Teacher of Gymnastics and Sports and Games.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906. Director of Gymnastics and Athletics, Bryn Mawr College.

ADA HART ARLITT, Ph.D., *Educational Psychology.*

A.B., H. Sophie Newcomb Memorial College, Tulane University, 1913; Ph.D., University of Chicago, 1917; Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14, and Fellow in Psychology, University of Chicago, 1914-16; Associate in Educational Psychology, Bryn Mawr College.

MARION HAGUE REA, M.D., *Physician of the School.*

A.B., Vassar College, 1909; M.D., Woman's Medical College of Pennsylvania, 1915. Intern, Philadelphia General Hospital, 1915-16; Assistant Physician, Boston Psychopathic Hospital, 1916-17; Assistant Visiting Chief, Medical Service, Philadelphia General Hospital and Assistant in Medicine, Woman's Medical College of Pennsylvania, 1918-19. Assistant Resident Physician, Bryn Mawr College.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893. Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97; Examining Oculist of Bryn Mawr College.

STUDENTS.

Fellows, Scholars, and Graduate Students for the Year 1918-19.

- MARGARET CATHERINE TIMPSON,
*Bryn Mawr European Fellow and Shippen Foreign Scholar.**
 New York City. Maria L. Eastman Brooke Hall Memorial Scholar, 1917-18. A.B., Bryn Mawr College, 1918.
- ISABEL F. SMITH, *President M. Carey Thomas European Fellow.**
 Los Angeles, Cal. A.B., Bryn Mawr College, 1915. Teacher in Miss Wheeler's School, Providence, R. I., 1915-17; Graduate Scholar in Geology, Bryn Mawr College, 1917-18.
- EVA ALICE WORRALL BRYNE, *Mary E. Garrett European Fellow.**
 Philadelphia. A.B., Bryn Mawr College, 1916, and A.M., 1917. Graduate Scholar in Latin, Bryn Mawr College, 1916-17; Graduate Scholar in English and Reader in English, 1917-19.
- OLGA MARX, *Anna Ottendorfer Memorial Research Fellow.**
 New York City. A.B., Barnard College, 1915, and A.M., Columbia University, 1917. Graduate Student, Columbia University, 1916-17; Fellow in German, Bryn Mawr College, 1917-18.
- HELEN ADAIR, *Fellow in Economics and Politics.*
 Kearney, Neb. A.B., Barnard College, 1914, and A.M., Columbia University, 1916. Fellow in Economics and Politics, 1917-18.
- GEORGIA LOUISE BAXTER,
Carola Woerishoffer Fellow in Social Economy and Social Research.
 Berkeley, Cal. A.B., University of Denver, 1914; A.M., University of California, 1917. Matron, Colorado State Industrial School for Girls, 1914-15; Work in Juvenile Court in San Francisco and with State Industrial Welfare Industrial Accident Commission, 1915-17; Carola Woerishoffer Fellow in Social Economy and Social Research, 1917-18.
- MARGARET BUCHANAN, *Fellow in Mathematics.*
 Morgantown, W. Va. A.B., University of West Virginia, 1906. Graduate Student, University of West Virginia, 1907. Teacher of Mathematics, Marshall College, Huntington, W. Va., 1906-07; Assistant in Greek and Mathematics, University of West Virginia, 1908-09, and Instructor in Mathematics, 1910-12, 1915-19; Teacher of Mathematics, Baldwin School, Bryn Mawr, 1913-14; and in the High School, Parkersburg, W. Va., 1914-15.
- LEAH HANNAH FEDER,
Carola Woerishoffer Fellow in Social Economy and Research.
 Passaic, N. J. A.B., Mount Holyoke College, 1917. Graduate Scholar in Social Economy and Social Research, Bryn Mawr College, 1917-18.
- MARY DRUSILLA FLATHER, *Fellow in Biology.*
 Lowell, Mass. Ph.B., Women's College in Brown University, 1917. Laboratory Assistant in Comparative Anatomy, Brown University, 1916-17. Graduate Student in Biology, 1917-18.
- LEONA CHRISTINE GABEL, *Fellow in History.*
 Syracuse, N. Y. A.B., Syracuse University, 1915. Columbia University, Summer session, 1916. Teacher in the High School, Canastota, N. Y., 1915-17. Graduate Scholar in History, 1917-18.
- GRACE ETHEL HAWK, *Fellow in English.*
 Reading, Pa. A.B., Brown University, 1917, and holder of the Annie Crosby Emery Scholarship of Brown University, 1917-18. Graduate Scholar in English, 1917-18.

* Holding of Fellowship deferred on account of war conditions.

- MARGARET GEORGIANA MELVIN,.....*Fellow in Philosophy.*
New Brunswick, Canada. A.B., Royal Victoria College, McGill University, with honours in English and Philosophy, 1917. Graduate Scholar in Philosophy, 1917-18.
- MARJORIE JOSEPHINE MILNE,.....*Fellow in Greek.*
Duluth, Minn. A.B., Bryn Mawr College, 1917, and A.M., 1918. Graduate Scholar in Greek, 1917-18.
- MARGARET MONTAGUE MONROE,.....*Fellow in Psychology.*
Asheville, N. C. Barnard College, Columbia University, 1911-13. A.B., Mount Holyoke College, 1915. Teacher of French, Commercial High School, Atlanta, Ga., 1915-16; Scholar in French, Bryn Mawr College, 1916-17; Teacher of Mathematics in Smead School, Toledo, Ohio, 1917-18.
- INEZ MAY NETERER,.....*Fellow in Education.*
Seattle, Wash. A.B., Mills College, 1916. Graduate Scholar in Social Economy and Social Research, Bryn Mawr College, 1916-17. Social Service Fellow of A. C. A. and Graduate Student, Bryn Mawr College, 1917-18.
- HELEN ELIZABETH PATCH,.....*Fellow in French.*
Bangor, Maine. A.B., Mount Holyoke College, 1914. Teacher in the East Maine Conference Seminary, 1914-16, and in the High School Bangor, 1916-17. Graduate Scholar in Romance Languages, 1917-18.
- ISABEL F. SMITH,.....*Fellow in Geology.*
Los Angeles, Cal. A.B., Bryn Mawr College, 1915. Teacher in Miss Wheeler's School, Providence, R. I., 1915-17. Graduate Student in Geology, Bryn Mawr College, 1917-18.
- ELISE TOBIN,.....*Fellow in Chemistry.*
Brooklyn, N. Y. B.S., Barnard College, 1915. Graduate Student in Chemistry, Bryn Mawr College, 1915-17, and Fellow in Chemistry, 1917-18.
- CLARA ELIZABETH YNTEMA,.....*Fellow in Latin.*
Holland, Mich. A.B., Hope College, 1916; A.M., University of Michigan, 1918. Teacher of Latin and German, The High School, Cass City, Mich., 1916-17.
- GRACE JOHNSTONE DEDMAN,.....*British Graduate Scholar.*
Whauphill, Scotland. Edinburgh Provincial Training Centre for Teachers, 1912-14. M.A., with honours in English, University of Edinburgh, 1918.
- HELEN ISABELLA WILKIE,.....*British Graduate Scholar.*
Edinburgh, Scotland. M.A., with honours in English, University of Edinburgh, 1918.
- DENISE EMILIE LEREDDE,.....*French Graduate Scholar.*
Paris, France. Certificat d'aptitude à l'enseignement des lettres, 1918. Student in Lycée Fénelon, 1913-15; Student in Collège Sévigné, 1915-18. Teacher of Geography and History, Collège Sévigné, 1917-18.
- LUCIE DÉSIRÉE MABILLE,.....*French Graduate Scholar.*
Paris, France. Certificat d'aptitude Pédagogique et Certificat de fins d'études normales, 1908. Professorat des écoles normales, 1911. Certificat Primaire d'Anglais, 1917. Student, University of Paris, 1909-18. Teacher of Literature in Ecole Sophie German, Paris, 1914-18.
- MARTHE STURM,.....*French Graduate Scholar.*
Paris, France. Licence de Philosophie, 1918; Student in the Sorbonne, 1916-18.
- MARTHE JEANNE TROTAIN,.....*French Graduate Scholar.*
Paris, France. Certificat d'aptitude à l'enseignement d'Anglais dans les Lycées et Collèges, 1918. Student in the Sorbonne, 1916-18. Teacher in Schools in England, 1913-14, 1915-16.
- BEATRICE ALLARD,.....*Fellow by Courtesy and Scholar in Semitic Languages.*
Boston, Mass. A.B., Mount Holyoke College, 1915. Graduate Scholar in Semitic Languages and Biblical Literature, Bryn Mawr College, 1915-16, and Fellow in Semitic Languages, 1916-18.
- MARY RUTH ALMACK,.....*Fellow by Courtesy in Psychology.*
Coshocton, O. A.B., Ohio State University, 1915, and A.M., 1916. Fellow in Psychology, Bryn Mawr College, 1916-18; Assistant Demonstrator in Experimental Psychology, 1918-19.

- LUCILE BABCOCK,.....*Scholar in French.*
Minneapolis, Minn. A.B., University of Minnesota, 1915. Teacher of French and Spanish, Des Moines, Ia., 1915-17.
- ANNA MARTHA BOOTH,.....*English.*
Philadelphia. A.B., Bryn Mawr College, 1918.
- THERESE MATHILDE BORN,.....*Scholar in English.*
Indianapolis, Ind. A.B., Bryn Mawr College, 1918.
- HELEN GRAHAM BRISTOW,.....*Scholar in Economics and Politics.*
Brooklyn, N. Y. A.B., Mount Holyoke College, 1918.
- EVA ALICE WORRALL BRYNE,.....*Scholar in English.*
Philadelphia. A.B., Bryn Mawr College, 1916, and A.M., 1917. Graduate Scholar in Latin, Bryn Mawr College, 1916-17. Reader in English, and Graduate Scholar in English, 1917-19; Mary E. Garrett European Fellow (elect).
- DOROTHY THERESA BUCKLEY,.....*Scholar in Psychology.*
Sioux City, Ia. A.B., University of Michigan, 1918.
- ELEANOR COPENHAVER, . . . *Scholar in Social Economy and Social Research.*
Marion, Va. A.B., Richmond College, Va., 1917. Teacher of Science, The High School, Marion, Va., 1917-18.
- JANE STODDER DAVIES, . . . *Robert G. Valentine Scholar in Social Economy.*
Tuft's College, Mass. A.B., Jackson College, Tuft's College, 1918.
- ESTHER PARKER ELLINGER,.....*English.*
A.B., Goucher College, 1915; Ph.D., University of Pennsylvania, 1918. Instructor in English Composition, Bryn Mawr College, 1918-19.
- HELEN FRANCES GOLDSTEIN,.....*Scholar in Chemistry.*
New York City. B.S., Barnard College, 1918.
- WINIFRED GOODALL,
Margaret Kingsland Haskell Scholar in English Composition.
Cincinnati, O. A.B., Bryn Mawr College, 1914; A.M., Columbia University, 1917. Teacher of English and History in Miss Kendrick's School, Cincinnati, 1915-16; Margaret Kingsland Haskell Scholar in English Composition, 1917-18.
- MARY JANE GUTHRIE,.....*Honorary Scholar in Biology.*
Columbia, Mo. A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoology, University of Missouri, 1916-18; Assistant Demonstrator in Biology, Bryn Mawr College, 1918-19.
- MARION REBECCA HALLE,.....*English.*
Cleveland, O. A.B., Bryn Mawr College, 1917. Graduate Student in English, 1917-18.
- HELEN IRENE HANNA,.....*Penn College Scholar.*
Lacey, Iowa. A.B., Penn College, 1918.
- ISTAR ALIDA HAUPT,.....*Psychology.*
Roland Park, Md. A.B., Bryn Mawr College, 1917, and A.M., 1918. Graduate Scholar in Psychology, Bryn Mawr College, 1917-18, and Assistant Demonstrator in Applied Psychology, 1918-19.
- ELIZABETH HAYS,.....*Scholar in Social Economy and Social Research.*
St. Louis, Mo. A.B., Smith College, 1909. Teacher in the Mary Institute, St. Louis, 1914-18.
- JUDITH MARTHA BASSETT HEMENWAY,.....*Scholar in French.*
Windsor, Vt. A.B., Bryn Mawr College, 1918.
- HOPE HIBBARD,.....*Honorary Scholar in Biology.*
Columbia, Mo. A.B., University of Missouri, 1916, and A.M., 1918. Assistant in Zoology, University of Missouri, 1915-18. Assistant Demonstrator in Biology, Bryn Mawr College, 1918-19.
- HARRIET HOBBS,.....*Chemistry.*
New York City. A.B., Bryn Mawr College, 1918. Demonstrator in Chemistry and Manager of Dalton Hall, 1918-19.

- MARGARET HUDSON,.....*French.*
Philadelphia. A.B., Bryn Mawr College, 1909. Head of Department of French in the New Jersey Normal School, Trenton, N. J., 1910-15; Teacher of Latin and French in the West Philadelphia High School for Girls, 1915-19; Graduate Student in French, Bryn Mawr College, 1912-13.
- GWENDOLYN HUGHES,
 Susan B. Anthony Scholar in Social Economy and Social Research.
Norfolk, Neb. A.B., University of Nebraska, 1916, and A.M., 1917. Scholar in Sociology, University of Nebraska, 1916-17, and Fellow, 1917-18. Assistant, Child Welfare Department, Lincoln Public Schools, 1917-18.
- IRMA CAROLINE LONEGREN,.....*Special Scholar in Social Economy.*
Portland, Ore. A.B., Reed College, 1915. Probation Officer and Statistician, Juvenile Court, Portland, 1915-18.
- ADELINA LONGAKER,.....*Economics and Politics.*
East Aurora, N. Y. A.B., Barnard College, 1918. Stenographer, 1917, 1918-19.
- AMELIA KELLOGG MACMASTER,
 Bryn Mawr Intercollegiate Community Service Association Joint Fellow.
Elizabeth, N. J. A.B., Bryn Mawr College, February 1917, and A.M., 1918. Graduate Scholar in Philosophy and Special Scholar, second semester, 1916-17 and 1917-18.
- OLGA MARX,.....*German.*
New York City. A.B., Barnard College, 1915, and A.M., Columbia University, 1917. Graduate Student, Columbia University, 1916-17; Fellow in German, Bryn Mawr College, 1917-18.
- BEATRICE McGEORGE,.....*Education.*
Cynwyd, Pa. A.B., Bryn Mawr College, 1901. Teacher of English and French in Miss Keyser's School, Philadelphia, 1902-03, and in the Agnes Irwin School, Philadelphia, 1918-19; Graduate Student, Bryn Mawr College, 1902-03, and Tutor in French, 1918-19.
- KATHARINE WOLCOTT McGIFFERT,.....*English.*
New York City. A.B., Barnard College, 1916. Teacher in Union School of Religion, 1916-18; Warden of Denbigh Hall, Bryn Mawr College, 1918-19.
- NORA MAY MOHLER,.....*Physics.*
Carlisle, Pa. A.B., Dickinson College, 1917. Graduate Scholar in Mathematics, Bryn Mawr College, 1917-18, and Demonstrator in Physics, 1918-19.
- EMILY LUCILE MOORE,.....*Biology.*
Baltimore, Md. A.B., Goucher College, 1918.
- CORA SNOWDEN NEELY,.....*Scholar in Latin.*
Philadelphia. A.B., Bryn Mawr College, 1918.
- GRACE WANDELL NELSON,.....*Scholar in Archæology.*
Philadelphia. A.B., Wellesley College, 1917. Graduate Student, Wellesley College, 1917-18.
- HELEN MCGREGOR NOYES,.....*English.*
A.B., Radcliffe College, 1915. Instructor in English Composition, Bryn Mawr College, 1917-19.
- ALICE RUTH PARKER,.....*Archæology.*
West Barrington, R. I. A.B., Mount Holyoke College, 1913, and A.M., 1915. Reader of Latin, Mount Holyoke College, 1913-15; Teacher of Latin in the High School, Hudson, N. Y., 1915-17, in the High School, Cortland, N. Y., 1917-18, and in Phebe Anna Thorne Model School, 1918-19.
- DOROTHY AUSTIN SEWELL,.....*Scholar in Biology.*
Walton, N. Y. A.B., Smith College, 1916. Cornell University, 1916-17. Fellow in Biology, Bryn Mawr College, 1917-18.
- EDITH MARION SMITH,.....*Scholar in Greek.*
Pittsburgh, Pa. A.B., Bryn Mawr College, 1918.
- CONSTANCE LYNCH SPRINGER,.....*Scholar in Biology.*
Carlisle, Pa. A.B., Dickinson College, 1918.

MARGARETTA PRICE STEVENSON, . . . *Social Economy and Social Research*.
Leavenworth, Kan. A.B., University of Kansas, 1918.

INGEBORG HANNAH SUNDSTROM, . . . *Social Economy and Social Research*.
Lindsborg, Kan. A.B., Bethany College, 1913, and A.M., University of Kansas, 1914.
Teacher in the High School, Anthony, Kansas, 1914-15, and Kansas City, Mo., 1915-18.

MARIAN MARSH TORREY, . . . *Mathematics*.
Providence, R. I. A.B., Brown University, 1916, and A.M., 1917. Teacher of Mathematics in St. Johnsbury Academy, St. Johnsbury, Vt., 1917-18, and in the Phebe Anna Thorne Model School, Bryn Mawr College, 1918-19.

BIRD MARGARET TURNER, . . . *Mathematics*.
Moundsville, W. Va. A.B., West Virginia University, 1915, and A.M., 1916. Student Assistant in Mathematics, University of West Virginia, 1913-15; Graduate Student in Mathematics, University of West Virginia, 1914-15; and Assistant in the Summer School, 1915 and 1916; Principal of the High School, Moundsville, 1915-16; Graduate Scholar in Mathematics, Bryn Mawr College, 1916-17; Assistant Director of the Phebe Anna Thorne Model School, 1917-18; President's European Fellow, and Reader in Mathematics, Bryn Mawr College, 1918-19.

ADELINE WERNER VORYS, * . . . *English, History and International Law*.
Columbus, O. A.B., Bryn Mawr College, 1916. Warden of Rockefeller Hall, 1918-19.

AMEY EATON WATSON, † . . . *Social Economy and Social Research*.
Haverford, Pa. A.B., Women's College in Brown University, 1907; A.M., University of Pennsylvania, 1910. Teacher in Miss Wheeler's School, Providence, R. I., 1907-08; Instructor in the Department of Social Science, University of Utah, 1912.

LOUISE WATSON, . . . *History*.
A.B., Bryn Mawr College, 1912. Teacher in Marshall College, Huntington, W. Va., 1913-14; Business Manager, Bryn Mawr College, 1914-19.

LETITIA BUTLER WINDLE, . . . *History and International Law*.
West Chester, Pa. A.B., Bryn Mawr College, 1907. Secretary and Teacher of Mathematics, Wykeham Rise School, Washington, Conn., 1907-08; Assistant Agent, Federated Charities of Baltimore, 1908-09; Teacher of Mathematics in the Stevens School, Germantown, 1909-15, and in the Gordon-Roney School, Philadelphia, 1915-16. Warden of Radnor Hall, 1917-19.

MABEL PAULINE WOLFF, . . . *History*.
Myerstown, Pa. A.B., Barnard College, 1905; A.M., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06; Allentown College for Women, 1906-07; Paulsboro High School, Paulsboro, N. J., 1907-11; Washington Seminary, Washington, Pa., 1911-14; Leominster High School, Leominster, Mass., 1915-16; Teacher in the Phebe Anna Thorne Model School, 1916-19.

MARGARET WOODBURY, . . . *Scholar in History*.
Columbus, O. A.B., Ohio State University, 1915. Graduate Scholar in History, Bryn Mawr College, 1915-16, and Fellow in History, 1916-18.

GRADUATE STUDENTS IN INDUSTRIAL SERVICE COURSE.

First Unit, June, 1918 to January, 1919. Second Unit, October, 1918 to June, 1919. Third Unit, February, 1919, to October, 1919.

KATHARINE RAYNOLDS BELL, . . . *First Unit*.
Ithaca, N. Y. A.B., Cornell University, 1917. Graduate Student, Bryn Mawr College, 1917-18.

MARION GRISWOLD BOALT, . . . *First Unit*.
Norwalk, O. A.B., Lake Erie College, 1904. Graduate Student, Teacher's College, Columbia University, 1914-15, University of Chicago, summer quarter, 1917. Professor of History of Art, Wells College, 1905-11, Mills College, 1911-18; Instructor in House Planning, Mills College, 1911-18.

* Mrs. Webb I. Vorys.

† Mrs. Frank D. Watson.

- MARIE LOUISE BORNGESSER,.....*Third Unit.*
Philadelphia. B.S., in Education, University of Pennsylvania, 1918.
- GEORGIANA BUNTON,.....*First Unit.*
Rover, Mo. A.B., Northwestern University, 1910. Teacher of Public Speaking, Glenwood, Ia., 1914-16, Waterloo, Ia., 1916-18.
- ALPHA BEATRICE BUSE,.....*Second Unit.*
Polson, Mont. B. S., University of Montana, 1916.
- HELEN ADELIA COOK,.....*Second Unit.*
Wyalusing, Pa. A.B., Mount Holyoke College, 1910. Teacher of English in the High School, Wenatchee, Wash., 1914-18.
- EMMA GRETCHEN CORSTVET,.....*Second Unit.*
Milwaukee, Wis. A.B., University of Wisconsin, 1918.
- HELEN ROWENA DAVIDSON,.....*Second Unit.*
North Bend, Ore. A.B., University of Idaho, 1918. Teacher of Mathematics and German, The High School, Reubens, Ore., 1915-16.
- MARY DINSMORE,.....*First Unit.*
Marysville, Calif. B. L. Mills College, 1916. Law Student and Clerk, 1915-17. County Woman Food Director, 1918; County Head of Women's War Drives, 1917-18.
- ESTELLE S. FRANKFURTER,.....*Third Unit.*
Cambridge, Mass. A.B., Radcliffe College, 1918.
- HARRIET LAURA HERRING,.....*First Unit.*
Kingston, N. C. A.B., Meredith College, 1913; A.M., Radcliffe College, 1918. Teacher of History in the High School, Scotland Neck, N. C., 1914-15, and in the Chown Institute, Murfreesboro, N. C., 1915-17.
- CAROLYN MATILDA KRANZ,.....*Third Unit.*
Hendersonville, Tenn. A.B., George Peabody College for Teachers, 1911. Teacher of Languages in the Central High School, Gallatin, Tenn., 1914-18.
- MABEL MAY KROH,.....*Third Unit.*
Moscow, Idaho. A.B., University of Idaho, 1912. Graduate Student, University of Idaho, 1917-18. Teacher in grade schools in Idaho, 1912-15, 1916-17.
- NAOMI LIGHT,.....*First Unit.*
Lawrence, Kan. A.B., University of Kansas, 1914, and A.M., 1915. Teacher of English in the High School, Osawatomie, Kan., 1915-17, and in the High School, Atchison, Kan., 1917-18.
- FLORENCE REYNOLDS MASON,.....*Third Unit.*
Elmira, N. Y. A.B., Elmira College, 1918.
- CATHERINE McCAUSLAND,.....*Third Unit.*
Cambridge, Mass. A.B., Mount Holyoke College, 1918.
- DOROTHY ELEANOR McDOWELL,.....*Third Unit.*
Philadelphia. A.B., Mount Holyoke College, 1918.
- BERTHA MOREHOUSE,.....*Third Unit.*
Delaware, O. A.B., Ohio Wesleyan University, 1914. Teacher in the Government Schools, Porto Rico, 1912-13, and in the High School, Union Township, O., 1914-16; Brown Township, O., 1916-17; Franklin, O., 1917-18.
- ESTELLE NISSON,.....*Second Unit.*
Santa Ana, Calif. A.B., Leland Stanford, Jr., University, 1918.
- HELEN SCHUYLER OPP,.....*First Unit.*
Plymouth, Pa. A.B., Goucher College, 1909. Student, University of Pennsylvania, 1914-17. Teacher of Mathematics and German in the High School, Kingsten, Pa., 1910-12, and in the High School, Lewistown, Pa., 1912-13; Teacher of Mathematics in the West Philadelphia High School for Girls, 1913-18.
- JEANNETTE CAROLYN OWENS,.....*First Unit.*
Lewisburg, Pa. B.B.S., Bucknell University, 1917. Teacher of Science in the High School, Stroudsburg, Pa., 1917-18.

- LAURA BELL PADDOCK,.....*Second Unit.*
 Minneapolis, Minn. A.B., University of Minnesota, 1910. Teacher of English in the High School, Mora, Minn., 1910-13; Principal of the High School, Delano, Minn., 1913-18.
- ELINOR PANCOAST,.....*Second Unit.*
 Big Spring, Tex. University of Texas, 1911-13. Ph.B., University of Chicago, 1917. Teacher of Latin and History, in the High School, Henrietta, Tex., 1913-16; Teacher of Latin, in the High School, Wichita Falls, Tex., 1917-18.
- MARY SCHAUFFLER,.....*Third Unit.*
 New Philadelphia, O. A.B., Western Reserve University, 1910. Teacher in the High School, New Philadelphia, 1910-19.
- EVELYN STADLER,.....*Third Unit.*
 St. Louis, Mo. B.S., Missouri State University, 1907. Teacher in Grade Schools, St. Louis, 1915-16.
- KATHARINE BEATRICE STELLE,.....*Second Unit.*
 Upland, Pa. A.B., Mount Holyoke College, 1918.
- HALLIE ULA STILES,.....*Second Unit.*
 Detroit, Mich. A.B., Albion College, Albion, Mich., 1916. Stenographer and Assistant Bookkeeper, 1908-12; Secretary, Y. W. C. A., Detroit, Mich., 1916-18.
- LILLIAN LASER STRAUSS,*.....*Third Unit.*
 Philadelphia. A.B., Bryn Mawr College, 1909. Head of the Modern Language Department, in the High School, Hot Springs, Ark., 1910-12; Worker in Bureau of Municipal Research, New York City, 1912-13; Volunteer Social Worker, 1916-19.
- JEANNETTE WHITE,.....*Third Unit.*
 Oklahoma City, Oklahoma. A.B., University of Missouri, 1917.
- MARGARET THOMPSON WELLS WOOD,†.....*Second Unit.*
 Summit, N. J. A.B., Mount Holyoke College, 1906. Teacher of Mathematics for College Entrance, Ellsworth College, Iowa Falls, Ga., 1906-08; Teacher in Gilbert School, Winsted, Conn., 1908-11; Vice-Principal of the High School, Derby, Conn., 1913-18.

* Mrs. Berthold Strauss.

† Mrs. Margaret Wells Wood.

SUMMARY OF FELLOWSHIPS AWARDED.

EUROPEAN FELLOWSHIPS.	Founded by	Date.	Number of Holders.
Bryn Mawr (for Senior Class)	The Trustees	1885	30
Mary E. Garrett (for second year graduates).....	Miss Garrett	1894	25
President M. Carey Thomas (for first year graduates).....	Miss Garrett	1896	23
Anna Ottendorfer Memorial Research Fellowship in Teutonic Philology.....	Mrs. Anna Woerishoffer	1907	7††
SPECIAL EUROPEAN FELLOWSHIPS.	Given by.		
Bryn Mawr Research.....	Anonymous Donor	1906	1
Special European.....	Anonymous Donor	1909	1
Special European.....	Anonymous Donor	1915	1
Special European.....	Anonymous Donor	1916	1
Total number of European Fellows, omitting duplicates.....			87

RESIDENT FELLOWSHIPS.	Founded by the Trustees in	Number of Holders.
In Greek.....	1885.....	29**††
In Latin.....	1892.....	26
In English.....	1885.....	30*§
In Teutonic Philology.....	1893.....	18††
In Romance Languages.....	1893.....	20§
In Semitic Languages.....	1912.....	3††
In History or Economics and Politics.....	1885.....	30††
In Economics and Politics.....	1912.....	6§
In Social Research.....	1915.....	5§
In Philosophy or Psychology.....	1896.....	15§§
In Psychology.....	1915.....	3§
In Education.....	1917.....	2
In Archaeology.....	1909.....	5§
In Mathematics.....	1885.....	26††
In Physics.....	1896.....	13
In Chemistry.....	1893.....	20††
In Geology.....	1912.....	6
In Biology.....	1885.....	25††
Research Fellowship in Chemistry.....	1907.....	3†
Helen Schaeffer Huff Research Fellowship in Physics or Chemistry, founded by an anonymous donor in 1913.....		3¶§
Total number of Resident Fellows, omitting duplicates.....		290
Total holders of Fellowships, omitting duplicates.....		336‡

* Two students have held Fellowships in English who also held Fellowships in other subjects.

† Two of these students previously held a Fellowship in Chemistry.

‡ Of these fifty-six have held both European and Resident Fellowships.

§ One student held this Fellowship for two years.

** One of these students previously held a Fellowship in Latin and one a Fellowship in English.

†† Two students held this Fellowship for two years.

‡‡ Three students held this Fellowship for two years.

§§ Four students held this Fellowship for two years.

¶ One of these students previously held a Fellowship in Chemistry.

BRYN MAWR COLLEGE.

GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, five miles from Philadelphia, was endowed by Dr. Joseph W. Taylor of Burlington, New Jersey, who died January 18, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. In the spring of 1885 the first program was issued, and the college opened for instruction in the following autumn.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately. No undergraduates are admitted to graduate courses.

Regulations of the Graduate Department.

From the first it has been the policy of the Trustees of Bryn Mawr College to organize no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years provides preparation in the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one or two years and offered as one of the two minor or secondary subjects.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing.* They may pursue any

* The certificates of the women's colleges of the English Universities of Oxford and Cambridge, are regarded as equivalent to a first degree,—i. e., to the degree of Bachelor of Arts.

courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses. They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations from the instructors, and their needs will be considered in the arrangement of new courses of lectures; they must consult the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiencies in this respect.

Fellowships and Scholarships.

The most distinguished place among the graduate students is held by the Fellows, who must reside in the college during the academic year. Eighteen resident fellowships, of the value of five hundred and twenty-five dollars each, are awarded annually in Greek, Latin, English, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Psychology, Archæology, Education, Mathematics, Physics, Chemistry, Geology, and Biology, in Economics and Politics, named the Justus C. Strawbridge Fellowship, and two in Social Economy and Social Research, the Carola Woerishoffer Fellowships. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honour, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in

some other manner, that her studies have not been without result.

The Helen Schaeffer Huff Memorial Research Fellowship of the value of seven hundred and fifty dollars, founded in 1913, is awarded annually to a student pursuing advanced graduate work in either Physics or Chemistry, to be held during one year's work at Bryn Mawr College.

Applicants for this fellowship must be students who have done advanced graduate work at Bryn Mawr College or at other colleges or universities. They must have shown distinct ability in their work and at the time of application must have in outline or actually in hand some definite piece of research work. The holder of the fellowship must do her major work under the direction of the Department of Chemistry or of the Department of Physics. In awarding the fellowship the ability of the applicant to do the best kind of research work will be considered. Where equally good candidates are considered, preference will be given to a student working on problems which may be considered to lie along the borderline between Chemistry and Physics. The fellowship may under exceptional circumstances be awarded in consecutive years to the same student, or the fellowship may be given to a graduate student studying at Bryn Mawr College to be held during one year's work at some other American college or university if in the opinion of the Committee it is imperative for that student to go to some other college or university in order to complete an important piece of investigation.

All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of departmental libraries in the seminaries and in the halls of residence, but no such service may be required of them except by a written request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other

duties in addition to their college work. Fellows* are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of four hundred and five dollars for tuition, board, room-rent, and infirmary fee.

Twenty Graduate Scholarships, of the value of two hundred dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars* are expected to reside in the college, to attend all college functions, to wear academic dress, and to assist in the conduct of examinations. They may undertake, while holding the scholarship, only a very limited amount of teaching or other paid work approved in advance by the President's office.

The Margaret Kingsland Haskell resident scholarship in English composition of the value of seven hundred and fifty dollars is offered in 1919-20 and in each succeeding year and in 1920-21 and each alternate year thereafter a second scholarship in English composition of the same value will be offered. These scholarships are open to graduates of Bryn Mawr College or of any college of good standing under the same conditions as the twenty graduate scholarships mentioned above.

A resident Intercollegiate Community Service Association and Bryn Mawr College joint fellowship† was established in 1915 and is offered by the Intercollegiate Community Service Association and by some alumnae of Bryn Mawr College to a Bryn Mawr College graduate who wishes to prepare herself for settlement work. The value of the fellowship is \$625, \$125 of which is given by the College to meet the tuition fee. The holder of the fellowship is required to live in the College Settlement in Philadelphia and to give her entire time to the work of the Department of Social Economy. There is a charge of \$7.00 a week for board and lodging in the Settlement and in addition to the usual charge of \$125 for the graduate tuition

* It is expected that fellows and scholars of the college will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

† The term fellowship is used here because adopted by the Intercollegiate Community Service Association. The condition of one year's graduate study required of candidates for Bryn Mawr College resident fellowships does not apply.

fee in Bryn Mawr College, the usual laboratory and transportation fees. Applications may be sent to the President of Bryn Mawr College.

Two additional joint fellowships of the value of \$450 are offered by the Intercollegiate Community Service Association in conjunction with Smith College and Wellesley College, to graduates of Smith College and Wellesley College, respectively, who wish to prepare themselves for community service. By special arrangement with the Committee on Scholarships these scholarships may be held in connection with the College Settlement of Philadelphia and Bryn Mawr College. Smith and Wellesley alumnae are referred for further information to Miss Hilda Worthington Smith, Bryn Mawr, Pennsylvania.

The Susan B. Anthony Memorial Research Scholarship in Social Economy and Social Research or in Politics, of the value of four hundred and fifty dollars, was founded by the Executors of the late Susan B. Anthony, Dr. Anna Howard Shaw and Miss Lucy E. Anthony, in memory of Susan B. Anthony's work for women's college education. The holder is expected to devote one-third of her time to the study of politics and must investigate, educational, social or industrial conditions affecting women.

The Robert G. Valentine Memorial Scholarship in Social Economy and Social Research of the value of two hundred dollars is offered by Mrs. Frank W. Hallowell of Chestnut Hill, Massachusetts, to be awarded by the President and Faculty of Bryn Mawr College on the recommendation of the Director of the Carola Woerishoffer Department of Social Economy and Social Research to a candidate approved by the donor. It is open to graduates of Bryn Mawr College or of any other college of good standing.

Twelve graduate scholarships of the value of four hundred and five dollars each are offered, four for English, Scotch, or Irish women, four for French women, two for Italian women, one for Swiss women and one for women from Scandinavia or the Netherlands. Candidates are required to have a preparation for graduate study equivalent to that denoted by the Bachelor's degree of an American college or university of acknowledged standing. Renewal of these scholarships for a second year will not be granted except in very exceptional cases.

Holders of the scholarships are required to be in continuous residence at the college and to follow regular approved courses of study. The scholarships are of the value of \$405 and cover only the fees for board, residence, and tuition at Bryn Mawr College for one academic year. The scholarships are therefore equivalent in value to about £85 or 2,200 francs. In addition those holders of scholarships who so desire will be given an opportunity to teach or do some other kind of work in the college for not more than five hours a week and the college will guarantee that each scholar who wishes may in this way earn \$100. In special cases when tutoring can be arranged for five hours a week throughout the year the sum earned may amount to \$200. The scholars are not permitted to accept any other paid position except as arranged by the college. Holders of the scholarships must meet their own travelling expenses. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence.*

Two special graduate scholarships in Social Economy of the value of \$405 are offered to French women by two anonymous donors for the year 1919-20. These scholarships are open to women who wish to devote themselves to preparation in Industrial Supervision and Employment Management under the Carola Woerishoffer Graduate Department of Social Economy and Social Research. They are open for competition to all French women whose academic work has reached the standard equivalent to that denoted by the Bachelor's degree of any American college or university of acknowledged standing and whose preparation and experience especially fits them for this type of work. The other conditions of award are the same as those stated in the preceding paragraph.

Application for resident fellowships or scholarships should be made as early as possible to the President of the College,† and

* For the rates see page 39.

† Applications for the scholarships should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates, and by letters of recommendation from professors, and should be addressed to the office of the Recording Dean, Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., or in the case of French students they may be addressed to M. Petit Dutailis, Office Nationale des Universités et Ecoles Françaises, 96 Boulevard Raspail, Paris.

must be made not later than the first of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within about two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philology of the value of seven hundred dollars applicable to the expenses of one year's study and residence at some German university is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German.

Two European fellowships, founded by the late Miss Mary E. Garrett, of Baltimore, are open to graduate students who are enrolled as candidates for the degree of Doctor of Philosophy. One, founded in 1896, and named by the donor the President M. Carey Thomas Fellowship, is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College; the other, founded in 1894, and known as the Mary E. Garrett Fellowship, is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. These fellowships, of the value of five hundred dollars each, are intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges, who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Master of Arts.

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have worked as a graduate student at Bryn Mawr College for a full year* during which at least two-thirds of her time must have been devoted to advanced work in closely related lines according to a course of study approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of this committee before the third week of October. She must pass a special written examination on each subject to the satisfaction of the department in which she has studied, and must announce her candidacy for the degree to the President not later than the first day of May in the academic year in which the degree is to be conferred.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of

* It is understood that the work done for the degree of Master of Arts does not necessarily count as a full year towards the degree of Doctor of Philosophy and Master of Arts.

Philosophy will in no case be conferred by the College as an honorary degree.

REQUIREMENTS.

1. *Time*.—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence*.—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

3. *Subjects*.—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorized in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses*.—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university, the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognized by the Graduate Committee as seminars;* in the independent minor she shall take for one year two seminars, or graduate courses recognized as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminars and one journal club for at least two years must be taken before

* A course will not be regarded as equivalent to a seminary unless it requires about a third of the student's time.

the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation.*—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita), of which two must be bound in a specified manner, must then be supplied to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations.*—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

Registration.—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit* to the Graduate Committee in writing an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

Expenses.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is one hundred and twenty-five dollars a year, payable half yearly in advance at the beginning of each semester plus an emergency fee of one hundred dollars payable in advance at the beginning of the year charged to all students except holders of fellowships and scholarships and students taking less than eight hours a week of lectures. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester.† This arrangement is made

* Using the application blank issued by the Graduate Committee.

† The fees charged are reckoned on the basis of the actual hours of conference or lecture irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in

especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee will be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the president's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the president's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of eighteen dollars a semester with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of ten dollars a semester for every laboratory course of four or more hours a week, and of five dollars a semester for every laboratory course of less than four hours a week.

In courses in geology each hour of field work counts as one hour of laboratory work.

Graduate students taking courses in the department of Social Economy and Social Research are charged a laboratory fee of five dollars a semester and are also required to provide themselves with two 50-trip tickets between Bryn Mawr and Philadelphia costing \$15.30. Any extra expenses for train fares or car fares or other charges in connection with the work required by the department will be defrayed by the department.

The fee for laboratory courses in applied psychology and educational psychology is \$5 a semester.

addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on page 37 are charged in addition to the charge for tuition.

Residence.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred and twenty-five dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating and light.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden.

Application for rooms should be made as early as possible. The demand for graduate rooms is very great, and since every room unnecessarily reserved may prevent some other student from entering the college, a deposit of fifteen dollars is required in order that the application may be registered. In case the applicant enters the college in the year for which the room is reserved, the amount of the deposit is deducted from the first college bill. If she changes the date of her application or files formal notice of withdrawal at the secretary's office before July fifteenth of the year for which the application is made, the deposit will be refunded. If, for any reason whatever, the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College. Students making application for a room for the second semester forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the

room is reserved. In order to make application for a room it is necessary to sign a room-contract, which will be sent on application, and return it with the fee of fifteen dollars to the Secretary and Registrar of the College. A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if formal notice of withdrawal is not filed at the office of the Secretary and Registrar on or before May first of the current year.

Every applicant giving up later than the first of September the room or suite of rooms assigned to her for the ensuing academic year is responsible for the rent thereof for the whole year. Every applicant for a room for the second semester is responsible for the rent of the room or suite of rooms assigned to her for this semester, unless she gives formal notice of withdrawal to the Secretary and Registrar before the first of January. The charges for room-rent are not subject to remission or deduction under any circumstances, or in case of withdrawal for any cause whatever, even though during the currency of a semester, term, or year paid for in advance the student shall be dismissed. The applicant is not entitled to dispose of the rooms thus left vacant, this right being reserved exclusively by the college.

Any student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam. The air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The students' personal washing may be done by any laundry recommended by the college for one dollar a dozen, or about \$16 a half-year for one dozen pieces a week.

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$1.50 a day or \$10.50 a week. At Christmas the college halls are closed, but accommodation is provided on or near the college campus. At Easter graduate students may occupy their own rooms in the halls of residence at the above rate. Graduate students remaining during the vacations in the neighbourhood of Bryn Mawr are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation unless they inform the Secretary and Registrar of the College in advance of their intention to spend the vacation elsewhere, and register their addresses in the college office.

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Athletics, the Senior Warden, and the physicians of the college.

The Assistant Resident Physician of the college is in her office

in the college infirmary during the hours from eight to eight-thirty and four to five-thirty every day, except Saturday and Sunday, and may be consulted by the students without charge.

Graduate students who are elected to fellowships or scholarships, or who are admitted to the college, are required to have a medical examination and to follow the health directions of the physicians of the college which will be given them after the examination; and holders of fellowships and scholarships who are reported by the physicians of the college as suffering from uncorrected eye trouble will be expected to take the necessary measures to correct it.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The college reserves the right to exclude at any time and to cancel the fellowships or scholarships held by students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

In 1893 the Bryn Mawr Graduate Association was organized by the graduate students then in residence, its object being to further the social life of the graduate students. A room in Denbigh Hall is set apart by the college to be used as a club-room. Informal meetings are frequently held in this room, and several times during the year the Association invites the Faculty and friends of the college to larger social gatherings, which are addressed by well-known speakers.

Summary of Expenses of Graduate Students.

Tuition for the semester, payable on registration:

For one hour* a week of lectures.....	\$ 10.00
For two hours a week of lectures.....	\$ 20.00
For three hours a week of lectures.....	\$ 30.00

* See footnote, page 36. Graduate students are also charged a fee of \$1.50 a year for the support of the athletic grounds.

For four or five hours a week of lectures.....	\$ 40.00
For six or more hours a week of lectures.....	\$ 62.50
Room-rent for the academic year, payable on registration.....	\$ 50.00
Board for the semester payable on registration.....	\$112.50
Total expenses for the academic year:	
Tuition fee, for six or more hours a week of lectures.....	\$125.00
Room-rent.....	\$ 50.00
Board.....	\$225.00
Infirmary fee.....	\$ 5.00
Emergency charge.....	\$100.00
Total for tuition, residence, and infirmary care for the academic year ..	\$505.00
Laboratory fees for the academic year.....	\$10 to \$36

Students whose fees are not paid before November first in the first semester and before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the college and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Doris Earle, Chestnut Hill, Pa.; Miss Mary Christine Smith, 1108 Spruce Street, Philadelphia; Miss Alice Dudley Patterson, Chestnut Hill, Philadelphia; Miss Elizabeth Yarnall Maguire, 3813 Spruce Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for any given year should be made before May 1st of the preceding academic year.

Libraries.

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the college proper.

The college library has been collected within the past thirty-three years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about ninety thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 51 and 75.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several col-

legiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over four hundred publications and reviews in the English, Greek, French, Italian, Spanish, German, and Swedish languages, are taken by the library, as follows:

General and Miscellaneous Periodicals.

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| <p>Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München.</p> <p>*Amherst Graduates' Quarterly.</p> <p>Annales Politiques et Littéraires.</p> <p>Athenæum.</p> <p>Atlantic Monthly.</p> <p>*Bibliothèque de la Faculté des Lettres de l'Université de Paris.</p> <p>Bookman.</p> <p>Bookman (English).</p> <p>Bookseller.</p> <p>*Bryn Mawr Alumnae Quarterly.</p> <p>Bulletin of Bibliography.</p> <p>*Bulletin of the New York Public Library.</p> <p>*Bulletin of the Pan-American Union.</p> <p>Century.</p> <p>*Columbia University Quarterly.</p> <p>Contemporary Review.</p> <p>Cumulative Book Index.</p> <p>Deutsche Rundschau.</p> <p>Dial.</p> <p>Drama.</p> <p>Les Écrits Nouveaux.</p> <p>Edinburgh Review.</p> <p>English Review.</p> <p>La Esfera.</p> <p>Fortnightly Review.</p> <p>Forum.</p> <p>Göttingische Gelehrte Anzeigen.</p> <p>Harper's Monthly Magazine.</p> <p>Harvard Graduates' Magazine.</p> <p>L'Illustration.</p> <p>Independent.</p> <p>Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.</p> <p>*Johns Hopkins University, Circulars.</p> <p>Larousse Mensuel Illustré.</p> <p>Library Journal.</p> <p>Literary Digest.</p> <p>Living Age.</p> <p>†Memorial de la Librairie Française.</p> <p>Mercure de France.</p> <p>Mind and Body.</p> | <p>*Monthly Bulletin of the Carnegie Library of Pittsburgh.</p> <p>Münchener allgemeine Zeitung.</p> <p>Mundo Grafico.</p> <p>Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.</p> <p>Nation.</p> <p>Nation (English).</p> <p>Neue Rundschau.</p> <p>New Country Life.</p> <p>New France.</p> <p>New Republic.</p> <p>New Statesman.</p> <p>New York Times Index.</p> <p>Nineteenth Century.</p> <p>North American Review.</p> <p>Notes and Queries.</p> <p>Nuevo Mundo.</p> <p>Nuova Antologia.</p> <p>Outlook.</p> <p>*Pennsylvania Library Notes.</p> <p>Preussische Jahrbücher.</p> <p>Public Affairs Information Service, Bulletin.</p> <p>Publishers' Weekly.</p> <p>Punch.</p> <p>Quarterly Review.</p> <p>Reader's Guide to Periodical Literature.</p> <p>Review of Reviews.</p> <p>Revue Critique d'Histoire et de Littérature.</p> <p>Revue de Paris.</p> <p>Revue des Deux Mondes.</p> <p>Revue Politique et Littéraire; Revue Bleue.</p> <p>Saturday Review.</p> <p>Scientia.</p> <p>Scribner's Magazine.</p> <p>Sewanee Review.</p> <p>Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.</p> <p>Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.</p> <p>Spectator.</p> |
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* Presented by the Publishers.

† Suspended publication.

Der Türmer.

†Tipyn o' Bob.

*University of California, Publications.

*University of Colorado, Studies.

*University of Missouri, Studies.

*University of Nebraska, Studies.

*University of Nevada, Studies.

*University of Texas, Studies.

*University of Washington, Studies.

Die Woche.

World's Work.

Newspapers.

*College News, Bryn Mawr.

*Home News, Bryn Mawr.

London Times.

New York Times.

Philadelphia Public Ledger.

La Prensa.

Art and Archæology.

American Journal of Archæology.

Art and Archæology.

Art in America.

Boletin de la Sociedad Castellana a Excursiones.

Boletin de la Sociedad Española a Excursiones.

British School at Athens, Annual.

Bulletin of the Metropolitan Museum of Art, New York.

Burlington Magazine.

Denkmäler der Malerei des Altertums.

Ephemeris Archaiologike.

Gazette des Beaux Arts.

Jahrbuch des Kaiserlich deutschen archäologischen Instituts.

Jahreshefte des österreichischen archäologischen Instituts in Wien.

Journal of Hellenic Studies.

Journal international d'archéologie numismatique.

Journal of the American Institute of Architects.

Mittheilungen und Nachrichten des Deutschen Palästina Vereins.

Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Athenische Abteilung.

Mittheilungen des Kaiserlich deutschen archäologischen Instituts, Römische Abteilung.

*Museum of Fine Arts Bulletin, Boston

Notizie degli Scavi di Antichita.

Revue Archéologique.

Rivista d'arte.

Zeitschrift des Deutschen Palästina Vereins.

Economics and Politics.

*Advocate of Peace.

All Opinions of the U. S. Supreme Court.

*American Association for International Conciliation, Publications.

American City.

American Economic Review.

*American Economist.

American Federationist.

American Journal of International Law.

American Municipalities.

American Political Science Review.

*The Americas.

Annalist.

Annals of the American Academy of Political and Social Science.

Bibliographie der Sozialwissenschaften.

*Blätter für zwischenstaatliche Organization.

*Bulletin of the University of Wisconsin, Economics and Political Science Series.

Canadian Municipal Journal.

City Plan.

City Record, Boston.

Columbia Law Review.

Columbia Studies in History, Economics and Public Law.

*Congressional Record.

*Cooperative Consumer.

Economic Journal.

Equity.

Great Britain, Quarterly List of Official Publications.

Handbuch der öffentlichen Rechte.

Harvard Law Review.

†International Socialist Review.

Jahrbücher für Nationalökonomie und Statistik.

Johns Hopkins University Studies in Historical and Political Science.

Journal of Political Economy.

Journal of the Royal Statistical Society.
 Minnesota Municipalities.
 Municipal Journal.
 Modern City.
 Municipal Research.
 National Municipal Review.
 Political Science Quarterly.
 Proceedings of the Academy of Political
 Science.
 Publications of the American Economic
 Association.

Quarterly Journal of Economics.
 Revue Bibliographique.
 Searchlight on Congress.
 *Single Tax Review.
 Suffragist.
 *University of Pennsylvania Publications,
 Series in Political Economy and Pub-
 lic Law.
 Yale Review.
 Zeitschrift für Volkswirtschaft, Social-
 politik u. Verwaltung.

Social Economy and Social Research.

*Advance.
 American Industries.
 American Journal of Sociology.
 American Labor Legislation Review.
 *American Pressman.
 *Bakers' Journal.
 *Broom-maker.
 Bulletin of the International Labour Office.
 Bulletin of the National Tuberculosis
 Association.
 Bulletin of the National Society for Voca-
 tional Education.
 *Bulletin of the New York State Depart-
 ment of Labor.
 *Carpenter.
 Charity Organization Review.
 Child Labor Bulletin.
 *Commercial Telegraphers' Journal.
 Community Center.
 Economic World.
 *Electrical Worker.
 *Elevator Constructor.
 Engineering News-record.
 Eugenics Review.
 Factory.
 Filing.
 *Garment Worker.
 *Glove Workers' Monthly Bulletin.
 *Granite Cutters' Journal.
 Housing Betterment.
 Industrial Arts Index.
 Industrial Management.
 Industrial News Survey.
 *Institution Quarterly.
 *International Bookbinder.
 International Marine Engineering.
 *International Steam Engineer.
 Iron Age.
 Journal of Criminal Law.
 Journal of Delinquency.
 *Journeyman Barber.
 Journal of Heredity.

*Journal of the Cigar Makers' International
 Union.
 Journal of the Outdoor Life.
 Labor Bulletin of the Massachusetts
 Bureau of Statistics.
 Labor Gazette.
 *(The) Lather.
 *Leatherworkers' Journal.
 Life and Labor.
 *Longshoremen.
 *Machinists' Journal.
 *Miners' Magazine.
 *Mixer and Sower.
 Nation's Business.
 100%, The Efficiency Magazine.
 (The) Organizer.
 *Patternmakers' Journal.
 Playground.
 Proceedings of the National Conference of
 Social Work.
 *Progressive Labor World.
 *Public Health, Michigan.
 Publications of the American Statistical
 Association.
 *Railway Clerk.
 Seaman's Journal.
 *Shoeworkers' Journal.
 Social Hygiene.
 Social Hygiene Bulletin.
 Social Service Review.
 *Southern Workman.
 Survey.
 System.
 *Tailor.
 *Textile Worker.
 *Tobacco Workers' Journal.
 *Trade Union News.
 Transactions of the American Child Hy-
 giene Association.
 *Typographical Journal.
 *U. S. Bureau of Immigration, Publications.
 *U. S. Bureau of Labor Statistics, Bulletin.

- *U. S. Bureau of the Census, Publications.
- *U. S. Children's Bureau, Publications.
- *University of Illinois, Studies in Social Sciences.
- *University of Minnesota, Studies in Social Sciences.

- Vocational Guidance Bulletin.
- Women's Industrial News.
- Women's Trade Union Review.
- *Woodcarver.

Education.

- †Berichte der Dalcroze Schule.
- Education.
- Educational Review.
- Educational Times.
- Elementary School Journal.
- English Journal.
- History Teacher's Magazine.
- Journal of Educational Psychology.
- Journal of Experimental Pedagogy.
- *Journal of the Association of Collegiate Alumnae.
- Lehrproben und Lehrgänge.
- Manual Training Magazine.
- National Education Association, Publications.
- Pädagogische Studien.

- Pedagogical Seminary.
- Revue Internationale de l'Enseignement Supérieur.
- Revue Universitaire.
- School and Society.
- School Journal.
- School Review.
- School Science and Mathematics.
- Supplementary Education Monographs.
- Teachers' College Record.
- *U. S. Bureau of Education, Bulletin.
- *University of California Publications, Education.
- Zeitschrift für Pädagogische Psychologie.
- Zeitschrift für Schulgesundheitspflege.

History.

- American Historical Association, Reports.
- American Historical Review.
- English Historical Review.
- Historical Manuscripts Commission, Reports.
- Historische Vierteljahrsschrift.
- Historische Zeitschrift.
- *Illinois State Historical Society Journal.
- Jahresberichte der Geschichtswissenschaft.
- Klio, Beiträge zur alten Geschichte.

- New York Times Current History of the European War.
- Révolution Française.
- Revue des Études Napoléoniennes.
- †Revue des Questions Historiques.
- Revue Historique.
- Round Table.
- Royal Historical Society, Transactions.
- Selden Society, Publications.

Philology and Literature, Classical.

- †Bulletin Bibliographique et Pédagogique du Musée Belge.
- Classical Journal.
- Classical Philology.
- Classical Quarterly.
- Classical Review.
- Classical Weekly.
- Commentationes Philologae Jenenses.
- Dissertationes Philologicae Halenses.
- Harvard Studies in Classical Philology.
- Hermes.
- Jahresbericht über die Fortschritte der Klassischen Altertumswissenschaft.
- Journal of Roman Studies.
- †Le Musée Belge, Revue de Philologie Classique.

- Mnemosyne.
- Philologische Untersuchungen.
- Philologus.
- Quellen und Forschungen zur lateinischen Philologie.
- †Revue de Philologie.
- Revue des Études grecques.
- Rheinisches Museum für Philologie.
- Rivista di Filologia.
- Sokrates.
- Studi Italiani di Filologia Classica.
- †Studi Storici per l'Antichità Classica.
- Wiener Studien, Zeitschrift für klassische Philologie.
- Wochenschrift für klassische Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
 Berliner philologische Wochenschrift.
 †Eranos.
 Indogermanische Forschungen.
 Journal of English and Germanic Philology.
 Journal of Philology.
 Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.

Philological Society, London, Publications.
 Transactions of the American Philological Association.
 Zeitschrift für die österreichischen Gymnasien.
 †Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Acta Germanica.
 Anglia.
 Anglistische Forschungen.
 †Annales Romantiques.
 †Archiv für das Studium der neueren Sprachen.
 †Archivio Glottologico Italiano.
 Arkiv for Nordisk Filologi.
 Beiblatt zur Anglia: Mitteilungen über englische Sprache und Litteratur.
 Beiträge zur Geschichte der deutschen Sprache und Literatur.
 Bibliographical Society of America, Publications.
 Bibliographical Society of London, Transactions.
 Bonner Studien zur englischen Philologie.
 British Society of Franciscan Studies.
 Bulletin hispanique.
 Chaucer Society Publications (both series).
 Deutsche Literaturzeitung.
 Deutsche Texte des Mittelalters.
 Dialect Notes.
 Early English Text Society, Publications (both series).
 English Leaflet.
 Englische Studien.
 Euphorion.
 Forschungen zur Neueren Literaturgeschichte.
 German American Annals.
 Germanisch-romanische Monatsschrift.
 Giornale Storico della Letteratura Italiana.
 Goethe Jahrbuch.
 Henry Bradshaw Society, Publications.
 Jahrbuch der deutschen Shakespeare Gesellschaft.
 Jahrbuch des Vereins für niederdeutsche Sprachforschung.
 Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.
 Kieler Studien zur englischen Philologie.

Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.
 †Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
 The Library.
 Literarische Echo.
 Literarisches Centralblatt.
 Literaturblatt für germanische und romanische Philologie.
 †Le Maître phonétique.
 Malone Society, Publications.
 Materialien zur Kunde des älteren Englischen Dramas.
 Modern Language Notes.
 Modern Language Review.
 Modern Language Teaching.
 Modern Philology.
 Münchener Beiträge zur romanischen und englischen Philologie.
 Palaestra.
 Poet-lore.
 Praeger deutsche Studien.
 Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Kulturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revue Celtique.
 Revue d'Histoire Littéraire de la France.
 †Revue Germanique.
 Revue Hispanique.
 Romania.
 Romanic Review.
 Romanische Forschungen.
 Schriften der Goethe Gesellschaft.
 Scottish Text Society, Publications.
 Société des Anciens Textes Français, Publications.
 Société des Textes Français Modernes, Publications.
 Studien zur englischen Philologie.

University of North Carolina. Studies in Philology.

Wiener Beiträge zur englischen Philologie.

Yale Studies in English.

Zeitschrift für den deutschen Unterricht.

Zeitschrift für deutsche Philologie.

Zeitschrift für deutsches Altertum und deutsche Literatur.

Zeitschrift für deutsche Wortforschung.

Zeitschrift für französische Sprache und Literatur.

†Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.

Babyloniaca.

Jewish Quarterly Review.

Journal of the Society of Oriental Research.

†Proceedings of the Society of Biblical Archaeology.

†Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.

†Zeitschrift für ägyptische Sprache und Altertumskunde.

Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Psychology.

Année psychologique.

Archiv für die gesamte Psychologie.

Archiv für Geschichte der Philosophie.

Archiv für systematische Philosophie.

Archives de Psychologie.

Archives of Psychology.

†Behavior Monographs.

Berichte über den Kongress für experimentelle Psychologie.

British Journal of Psychology.

British Journal of Psychology: Monograph Supplements.

†Bulletin de l'Institut Psychologique.

Fortschritte der Psychologie.

Hibbert Journal.

International Journal of Ethics.

†Journal de Psychologie.

Journal für Psychologie und Neurologie.

Journal of Abnormal Psychology.

†Journal of Animal Behaviour.

Journal of Applied Psychology.

†Journal of Experimental Psychology.

Journal of Philosophy, Psychology and Scientific Methods.

Journal of Religious Psychology.

Mind.

Monist.

Philosophical Review.

Proceedings of the Aristotelian Society.

Proceedings of the Society for Psychical Research.

Psychological Bulletin.

Psychological Clinic.

Psychological Review.

Psychological Review; Monograph Supplements.

Psychological Review; Psychological Index.

Psychologische Arbeiten.

Psychologische Studien.

Revue de Métaphysique.

†Revue de Psychothérapie.

Revue philosophique.

Training School Bulletin, Vineland.

*University of Toronto Studies, Psychology Series.

Vierteljahrsschrift für wissenschaftliche Philosophie u. Soziologie.

Zeitschrift für angewandte Psychologie.

Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt., Zeitschrift für Sinnesphysiologie.

Religion.

*Alaskan Churchman.

American Friend.

American Journal of Theology.

Anglican Theological Review.

Biblical World.

Expositor.

Expository Times.

Harvard Theological Review.

†Herald of Gospel Liberty.

†Indian's Friend.

†Intercollegian.

Journal of Biblical Literature.

Journal of Theological Studies.

Proceedings of the Society of Biblical Archaeology.

*Publications of the American Jewish Historical Society.

Religious Education.

* Presented by the Publishers.

† Suspended publication.

‡ In Christian Association Library.

Revue biblique.
 *Spirit of Missions.
 *Student World.

*Woman's Missionary Friend.
 *World Outlook.

Science, General.

American Journal of Science.
 Atti della Reale Accademia delle Scienze di Torino.
 British Association for the Advancement of Science, Reports.
 *Bulletin of the University of Wisconsin, Science Series.
 Comptes Rendus des Séances de l'Académie des Sciences.
 International Catalogue of Scientific Literature.
 *Kansas University, Science Bulletin. Nature.
 *New York State Museum Bulletin.
 Philosophical Magazine.

Philosophical Transactions of the Royal Society of London.
 Proceedings of the American Philosophical Society.
 Proceedings of the National Academy of Sciences.
 Proceedings of the Royal Society of London.
 Science.
 Scientific American and Supplement.
 Scientific Monthly.
 *Technology Review.
 *U. S. National Museum, Publications.
 *University of Missouri Studies, Science Series.

Science, Biology.

American Anthropological Association, Memoirs.
 American Anthropologist.
 American Journal of Anatomy.
 American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiologie.
 Archiv für die gesammte Physiologie.
 Archiv für Entwicklungsmechanik der Organismen.
 Archiv für mikroskopische Anatomie.
 Bibliographia Physiologica.
 Biological Bulletin.
 Biologisches Centralblatt.
 Biometrika.
 Botanisches Centralblatt.
 Centralblatt für Physiologie.
 Eugenics Laboratory Memoirs.
 Genetics.
 *Illinois Biological Monographs.
 Jahrbücher für wissenschaftliche Botanik.
 Journal de Physiologie.
 Journal of Biological Chemistry.
 Journal of Endocrinology.
 Journal of Experimental Medicine.
 Journal of Experimental Zoology.

Journal of General Physiology.
 Journal of Genetics.
 Journal of Morphology.
 Journal of Physiology.
 Journal of the Royal Microscopical Society.
 *Midland Naturalist.
 Quarterly Journal of Microscopical Science.
 Stazione Zoologica di Napoli, Pubblicazioni.
 *U. S. Public Health Service, Publications.
 *University of California Publications, Physiology.
 *University of California Publications, Zoology.
 *University of Pennsylvania, Contributions from the Botanical Laboratories.
 *University of Pennsylvania, Contributions from the Zoological Laboratories.
 *University of Toronto Studies, Biological Series.
 *University of Toronto Studies, Physiological Series.
 *Wilson Bulletin.
 Zeitschrift für wissenschaftliche Zoologie.
 Zoologischer Anzeiger.

Science, Geology, and Geography.

Centralblatt für Mineralogie.
 Economic Geology.
 Geographical Journal.

Geological Magazine.
 Geologisches Centralblatt.
 *Georgia Geological Survey Bulletin.

*Illinois Geological Survey Bulletin.
 Journal of Geography.
 Journal of Geology.
 Meteorologische Zeitschrift.
 Mineralogical Magazine.
 Mineralogische und petrographische Mittheilungen.
 National Geographic Magazine.
 Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.

Philadelphia Geographical Society Bulletin.
 Quarterly Journal of the Geological Society.

*Resources of Tennessee.

*U. S. Monthly Weather Review.

*University of Toronto Studies, Geological Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
 American Journal of Mathematics.
 Annalen der Chemie.
 Annalen der Physik.
 Annales de Chimie.
 Annales de Physique.
 Annales scientifiques de l'Ecole Normale Supérieure.
 Annali di Matematica.
 Astrophysical Journal.
 Beiblätter zu den Annalen der Physik.
 Berichte der deutschen chemischen Gesellschaft.
 Bibliotheca Mathematica.
 Bollettino di Bibliografia e Storia delle Scienze Matematiche.
 Bulletin de la Société Chimique de France.
 Bulletin de la Société Mathématique.
 Bulletin des Sciences Mathématiques.
 Bulletin of the American Mathematical Society.
 Cambridge Tracts in Mathematics.
 Chemisches Zentralblatt.
 Giornale di Matematiche.
 Jahrbuch über die Fortschritte der Mathematik.
 Jahresbericht der deutschen Mathematiker Vereinigung.

Journal de Chimie physique.
 Journal de Mathématiques.
 Journal de Physique.
 Journal für die reine und angewandte Mathematik.
 Journal für praktische Chemie.
 Journal of the London Chemical Society.
 Journal of Physical Chemistry.
 Kolloidzeitschrift.
 Mathematische Annalen.
 Messenger of Mathematics.
 Monatshefte für Chemie.
 Physical Review.
 Physikalische Zeitschrift.
 Proceedings of the London Mathematical Society.
 Quarterly Journal of Mathematics.
 Rendiconti del Circolo Matematico di Palermo.
 Science Abstracts.
 Transactions of the American Mathematical Society.
 *U. S. Bureau of Standards Bulletin.
 Zeitschrift für anorganische Chemie.
 Zeitschrift für Elektrochemie.
 Zeitschrift für Mathematik und Physik.
 Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Library Company of Philadelphia*, which contains about 275,000 volumes, divided between the Locust Street Building and the Ridgway Branch. Its valuable collection of pamphlets is included in the number of volumes as given above. The

Library is open from nine A. M. to five-thirty P. M., and is open to students for consultation freely during these hours. To take books from the building a deposit must be made or subscriptions will be received as follows: Twelve dollars for one year, six dollars for six months, four dollars for three months.

The *Mercantile Library*, which contains about 214,078 volumes. Private subscription, \$5.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 81,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 475,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 550,000 volumes and 265,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains over 67,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 140,000 bound volumes, and 300,000 pamphlets, is for reference only. Every courtesy is extended to members of the college.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of a non-resident lecturer in Comparative Philology and Sanskrit.

GRADUATE COURSES.

The following graduate courses are offered in each year:

Lectures on Comparative Philology and Philological Seminary.

Two hours a week throughout the year.

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Indo-European group, first, phonetically, secondly, from the point

of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course which covers what during the last few years has been the field of the most active research the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Second Year Sanskrit.

One or two hours a week throughout the year.

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology.

Advanced Sanskrit.

Two hours a week throughout the year.

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second semester the course is conducted as a seminary, with use of the native commentaries.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Associate Professor of Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, and Miss Abby Kirk, Reader in Elementary Greek.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the College. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

GRADUATE COURSES.

The graduate seminaries in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a major subject for the degree of Doctor of Philosophy must offer not less than two seminaries and the journal club for two years and if Greek be also elected

as the associated minor the candidate must offer two seminars and one journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. The post-major courses also are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archæology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see page 106.

No undergraduates are admitted to graduate courses.

Dr. Sanders conducts in each year the following graduate seminary:

Greek Seminary.

Three hours a week throughout the year.

In 1918-19 Greek Orators is studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hypereides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1919-20 Greek Historians will be the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1920-21 Attic Tragedy will be the subject of the seminary. The work of the seminary in textual criticism is devoted to Æschylus. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

Dr. Wright conducts in each year the following graduate seminary:

Greek Seminary.

Two hours a week throughout the year.

In 1918-19 the Homeric Question is the subject of the seminary; the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticized in detail.

In 1919-20 Aristophanes will be the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archæological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

In 1920-21 Plato will be the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theatetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarizing the students with the achievements of scholarship and the general field of Platonic literature up to the present day. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

Dr. Sanders and Dr. Wright together conduct the Greek journal club:

Greek Journal Club. *One and a half hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent articles and books on subjects connected with the Greek classics.

POST-MAJOR COURSES.

Dr. Sanders offers in 1918-19 the following post-major courses, open to graduate students:

Æschylus, <i>Oresteia</i> .	<i>Two hours a week during the first semester.</i>
Fourth Century Critics.	<i>One hour a week during the first semester.</i>
Pindar.	<i>Two hours a week during the second semester.</i>
Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> .	<i>One hour a week during the second semester.</i>

Dr. Sanders offers in 1919-20 the following post-major courses, open to graduate students:

Minor Orations of the Attic Orators.	<i>Two hours a week during the first semester.</i>
Sophocles, <i>Oedipus Tyrannus</i> .	<i>One hour a week during the first semester.</i>
Æschylus, <i>Agamemnon</i> .	<i>Two hours a week during the second semester.</i>
Greek Prose Composition and the Evolution of Style.	<i>One hour a week during the second semester.</i>

Dr. Sanders offers in 1920-21 the following post-major courses, open to graduate students:

Sophocles, <i>Trachiniæ</i> and Euripides, <i>Heracles</i> .	<i>Two hours a week during the first semester.</i>
Herodotus.	<i>One hour a week during the first semester.</i>
Greek Rhetoricians and Greek Prose Composition.	<i>One hour a week during the second semester.</i>
Bacchylides.	<i>One hour a week during the second semester.</i>
Euripides, <i>Bacchæ</i> .	<i>One hour a week during the second semester.</i>

Dr. Wright offers in 1918-19 the following post-major courses, open to graduate students:

Palatine Anthology.

Two hours a week during the first semester.

Sophocles, *Ajax*.

Two hours a week during the second semester.

Dr. Wright offers in 1919-20 the following post-major courses, open to graduate students:

Melic Poets.

Two hours a week during the first semester.

Plato, *Republic*.

Two hours a week during the second semester.

Dr. Wright offers in 1920-21 the following post-major courses, open to graduate students:

Theocritus.

Two hours a week during the first semester.

Æschylus, *Septem or Lucian*.

Two hours a week during the second semester.

FREE ELECTIVE COURSES.

Dr. Wright offers in each year the following free elective courses:

History of Greek Literature.

Two hours a week throughout the year.

Greek Religion and Greek Myths.

Two hours a week during the first semester.

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths.

Literary Geography of Greece and Asia Minor,

Two hours a week during the second semester.

This course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Tenney Frank, Professor of Latin, and Dr. Mary Hamilton Swindler, Instructor in Latin and Archæology.

GRADUATE COURSES.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Lyric Poetry, Elegy, and Comedy, and Roman Epic Poetry, Cicero's Correspondence, and Epigraphy. Students electing Latin as a major subject for the degree of Doctor of Phil-

osophy must offer not less than two seminars and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is necessary.

No undergraduates are admitted to graduate courses.

Dr. Wheeler conducts in each year the following graduate seminary:

Latin Seminary.

Three hours a week throughout the year.

In 1918-19 Latin Comedy is the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoeda*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

In 1919-20 Roman Lyric in the Period of the Republic will be the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1920-21 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarize themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

Dr. Frank conducts in each year the following graduate seminary:

Latin Seminary.

Two hours a week throughout the year.

In 1918-19 Cicero's Correspondence is the subject of the seminary. An effort is made to master typical textual and linguistic problems presented by this text, and more especially to extend the student's acquaintance with the Roman civilization of Cicero's day.

In 1919-20 selected topics in Roman literature will be studied. The work consists of studies in the beginnings of the Roman epic, tragedy, and prose. The students read reports on special subjects assigned to them. A study of Latin syntax may be substituted.

In 1920-21 Latin Epigraphy and Palaeography is the work of the seminary. About two-thirds of the course is devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* is used in the class room. The paleographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt form the basis for work in the latter part of the course.

Dr. Wheeler, Dr. Frank and Dr. Swindler together conduct the Latin journal club.

Latin Journal Club.

One and a half hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent articles and books on subjects connected with the Latin classics.

POST-MAJOR COURSES.

Dr. Wheeler offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Roman Elegy.

Two hours a week throughout the year.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read. The readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Wheeler offers in 1919-20 and again in 1921-22 the following post-major course, open to graduate students:

Roman Satire.

Two hours a week throughout the year.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Frank offers in 1918-19 and again in 1920-21 the following post-major courses, open to graduate students:

The Life and Works of Vergil.

Three hours a week during the first semester.

The larger part of the *Aeneid*, two books of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition.

Two hours a week throughout the year.

Roman Prose of the Empire.

Three hours a week during the second semester.

Selections from Velleius, Seneca, Quintilian, Tacitus, Suetonius, Apuleius, and Minucius Felix are read.

Dr. Frank offers in 1919-20 and again in 1921-22 the following post-major courses, open to graduate students:

Lucretius and Catullus.

Three hours a week during the first semester.

Selections from the *De Rerum Natura* and from the lyrics of Catullus are read.

Latin Prose Composition.

Two hours a week throughout the year.

Cicero and Cæsar.

Three hours a week during the second semester.

An effort is made by means of lectures, discussions, and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Fonger DeHaan, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Regina Katharine Crandall, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Dr. Jean Baptiste Beck, Dr. Howard James Savage, Mr. Samuel Arthur King, Dr. Howard Rollin Patch, Madame Claude Rivière, Dr. Agnes Rutherford Riddell, Miss Esther Cloudman Dunn, Miss Emily Gifford Noyes, Miss Helen McGregor Noyes, Dr. Margaret Steel Duncan, Dr. Mary Agnes Quimby, Miss Carolina Marcial Dorado, Miss Margaret W. Watson, Dr. Esther Parker Ellinger and Miss Eva Alice Worrall Bryne.

English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Professor of English, Dr. Regina Katharine Crandall, Professor of English Composition, Dr. Samuel Claggett Chew, Associate Professor of English Literature, Dr. Howard James Savage,* Associate Professor of Rhetoric and Director of the Work in English Composition, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Howard Rollin Patch, Associate in English Philology, Miss Esther Cloudman Dunn, Instructor in English Composition and Acting Director of First and Second Year English Composition, Miss Emily Gifford Noyes, Miss Helen McGregor Noyes, Miss Margaret W. Watson and Dr. Esther Parker Ellinger, Instructors in English, and Miss Eva Alice Worrall Bryne, Reader in English.

GRADUATE COURSES.

There are offered each year graduate seminars and courses in English literature and in English language, and these seminars and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in

* Granted leave of absence for 1917-19 on military service.

one of the literature courses of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language course in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the composition in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as the associated minor and those who offer English philology as a major subject must offer English literature as the associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Miss Donnelly conducts in alternate years the following graduate seminary:

Seminary in English Literature.

Two hours a week throughout the year.

In 1918-19 Eighteenth Century Prose is the subject of the seminary. Swift, Addison, and Steele are studied. Attention is given to their relations to both contemporary politics and literature.

In 1920-21 the Romantic Poets will be the subject of the seminary. Special attention will be paid to Shelley and Byron and to the phases of Romanticism shown in their work. Their relations to their contemporaries in England and on the Continent will be discussed.

In 1922-23 Donne and Milton will be the subject of the seminary. They will be studied in their relation to such contemporary influences as Platonism and the Church and Puritanism and in especial to the sources and development of poetical style in the seventeenth century.

Miss Donnelly will offer in each year special assignments of reading and reports for foreign students who have come intending to study American literature and to prepare for examinations in it abroad.

Dr. Chew conducts in each year the following graduate seminary:

Seminary in English Literature.

Three hours a week throughout the year.

In 1918-19 the earlier Romantic Period is the subject of the seminary. The poetry of Blake and Burns; the revival of interest in the popular ballads; the novel between Sterne and Scott; and the drama of the period are among the subjects considered.

In 1919-20 the seminary will study various aspects of English Literature during the reign of Victoria.

In 1920-21 the plays of Jonson, Webster, Middleton, and Dekker will be studied.

Dr. Crandall conducts in each year the following graduate seminary:

Seminary in English Composition.

Two hours a week throughout the year.

The chief business of the seminary is the discussion and criticism of the students' own writing. Its aim is to make familiar and apply the principles and standards of criticism

that have developed with the development of literature; the subject of study in each year is adapted to the purpose and interests of the students.

In 1918-19 the seminary studies the manner of writers of biography and memoirs, among others Boswell, Lord Morley and Henry Adams.

In 1919-20 the subject of the seminary will be historical writing and will include a study of the manner of Gibbon, J. R. Green, Motley, Parkman and other historians.

In 1920-21 modern fiction, English, French and Russian, will be the subject of the seminary.

Dr. Patch conducts in each year the following graduate seminary:

Seminary in Middle English.

Three hours a week throughout the year.

In 1918-19 the Beginnings of English Drama is the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles is studied. In considering the morality plays their connection with mediæval allegories, debates, and didactic treatises is specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

In 1919-20 Middle English Romances will be the subject of the seminary. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, Arthurian cycle, romances of Germanic origin, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

In 1920-21 the seminary will study *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

Dr. Patch offers in 1918-19 and again in 1920-21 the following graduate courses:

Beowulf.

Two hours a week throughout the year.

This course begins with a careful textual study of the Beowulf. After discussing the problems of editing, a general survey of Beowulf criticism is presented including theories as to the composition of the poem, and an inquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

English Historical Grammar.

Two hours a week throughout the year.

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English. The students will examine various documents of the different periods to discover evidence of the operation of linguistic principles.

Dr. Patch offers in 1919-20 and again in 1921-22 the following graduate course:

Cynewulf and Cædmon.

Two hours a week throughout the year.

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian

poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts or its equivalent.

Dr. Savage offers in 1919-20 the following graduate course:

Technical and Advanced Criticism. *Two hours a week during the first semester.*

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, and other matters. Materials collected for other courses in research are available for use in this work.

Miss Donnelly, Dr. Chew, Dr. Crandall, Dr. Savage, and Dr. Patch together conduct the English journal club.

English Journal Club. *One and a half hours a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

The following advanced undergraduate courses may be attended by graduate students:

Miss Donnelly offers in 1919-20 and again in 1921-22 the following course:

English Romantic Poets. *Five hours a week during the second semester.*

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, and Keats. Their works are discussed in class in connection with questions of poetics and literary theory and reports are required from students attending the course.

Dr. Chew offers in each year the following course:

English Critics of the Nineteenth Century.

Five hours a week during the first semester.

Carlyle, Ruskin, Huxley, Arnold, Pater and Morley are studied with regard to their influence upon the thought of their time. A report is required from each student attending this course.

Dr. Chew offers in 1918-19 and again in 1920-21 the following course:

English Poetry, 1850-1914. *Five hours a week during the second semester.*

A review of the progress of poetry during the first half of the nineteenth century is followed by more detailed study of the poets of the later period.

Dr. Chew offers in 1918-19 and again in 1919-20 and 1921-22 the following course:

English Drama. *Five hours a week during the first semester.*

This course comprises a survey of the early drama, close study of the Elizabethan and Jacobean dramatists, and an introduction to the later periods of the drama. A report is required from each student attending this course.

Dr. Chew offers in 1919-20 and again in 1921-22 the following course:

English Literature from Dryden to Johnson.

Five hours a week during the second semester.

The Poets from Butler to Thomson; the essayists; the philosophers from Hobbes to Hume; and the beginnings of the English novel are the chief subjects studied in this course. A report is required from each student attending the course.

Dr. Chew offers in 1920-21 and again in 1922-23 the following course:

English Literature from Bacon to Milton.

Five hours a week during the first semester.

The Authorized Version of the Bible; late Elizabethan and Jacobean Prose; the poets following Spenser and before Milton; and related matters such as the Witch Controversy and the political pamphlets of the time are among the chief topics in this course. A report is required from each member of the class.

Dr. Patch offers in 1918-19 and again in 1919-20 the following course:

Middle English Romances.

Five hours a week during the second semester.

Selected romances in Middle English are read by the members of the class. The lectures deal with the development of Romance literature in Europe with special reference to the romances of the Arthurian cycle, and the discussion includes a review of the development of mediæval themes in later periods.

Dr. Patch offers in 1918-19 and again in 1920-21 the following course:

Shakespeare.

Five hours a week during the second semester.

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work. The plays usually chosen are: *King Lear*, *Henry IV*. Part I, *Hamlet*, *Romeo and Juliet*, and *The Temp st.* Some of the more general problems connected with these plays are discussed in introductory lectures and various topics are taken up such as the principles of tragedy and comedy, the use of allegory and the development of Shakesperian criticism.

Dr. Patch offers in 1920-21 and again in 1922-23 the following courses:

Anglo-Saxon Prose and Beowulf.

Five hours a week during the first semester.

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Wyatt and Chambers' text) and the first two-thirds of the poem is read with the class.

Dr. Patch offers in 1919-20 and again in 1921-22 the following course:

Middle English Poetry, Chaucer.

Five hours a week during the first semester.

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Lectures are given on the development of

the language and literature during this period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time.

Dr. Crandall offers in 1918-19 and again in 1920-21 the following elective courses:

Daily Themes.

Two hours a week during the first semester.

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class.

Criticism.

Two hours a week throughout the year.

The course includes a study of the principles of criticism and the writing of critical expositions, the essay, and kindred forms.

The Short Story.

Two hours a week during the second semester.

Versification.

Two hours a week during the second semester.

Dr. Crandall offers in 1919-20 and again in 1921-22 the following elective courses:

The Short Story.

Two hours a week throughout the year.

The course deals with various forms of narrative, more especially the short story, and includes a study of the work of representative authors, both English and French.

Versification.

Two hours a week throughout the year.

The course is not historical but theoretical and practical. Students are required to write short exercises in verse every week.

Argumentation.

Two hours a week throughout the year.

The writing of arguments, the study of the form with reference to other types of writing, and other problems connected with argumentation, formal and informal, make up the work of the course. If possible, some attention will be paid to oral composition.

Dr. Savage offers in 1919-20 the following course:

The Technique of the Drama.

Two hours a week throughout the year.

This course is open only to those students who can assure the instructor that they can pursue the work with profit. It deals with the theory of the drama, the building of scenarios, adaptation, and the writing of original longer and shorter plays; and with the observation of dramatic technique in plays read and seen.

Dr. Savage offers in 1920-21 the following course:

English Fiction in the Nineteenth Century.

Five hours a week during the second semester.

A study of the principal types of English prose fiction during the last century, the short story and the novel, with attention to their origins, development, and technique.

Dr. Savage offers in 1921-22 the following course:

Materials and Methods of Teaching Composition.

Two hours a week during the second semester

This course is intended for graduate students and for undergraduates who expect to teach English; its aim is to present some of the problems of collegiate instruction in com-

position: the planning and supervision of courses, reports on departments in various colleges, and allied problems. Practice in writing is gained through reports of varying character and length.

Mr. King offers in each year the following course in English Diction for graduate students:

General Course in Articulation and Voice Production.

One half hour a week throughout the year.

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

Mr. King offers in 1918-19 and again in 1920-21 the following free elective course in English Diction:

General Reading of Prose Authors.

One hour a week throughout the year.

This course is open only to those students who have attended the required course in English diction or who have done equivalent work.

Mr. King offers in 1919-20 and again in 1921-22 the following free elective course in English Diction:

Reading of Shakespeare.

One hour a week throughout the year.

This course is open only to those students who have taken the required course in English diction. A special study is made of the principles of correct delivery of blank verse. The needs of those students who intend to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Eunice Morgan Schenck, Associate Professor of French; Dr. Jean Baptiste Beck, Associate Professor of Mediæval French Literature; Madame Claude Rivière, Associate in French, and Dr. Margaret Steel Duncan, Instructor in Spanish and French.

GRADUATE COURSES.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses covering the field of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centres around one main topic to be studied as a part of the history of French literature in its various relations to general literature and civilization of the period concerned. Students may enter a seminary in any year and pursue it during three

or more consecutive years. The members of the seminaries report on subjects assigned them at the beginning of each semester.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminaries and a journal club for three years.

Dr. Schenck conducts in each year the following graduate seminary:

Seminary in Modern French Literature. *Three hours a week throughout the year.*

In 1918-19 the subject of the seminary is Nineteenth Century Drama. After a rapid survey of the theatre of the eighteenth century a careful study is made of the drama of Hugo, Dumas père, Vigny, and Musset, and the extent of the influence of Shakespeare on French romantic drama. The rise and development of realistic comedy are studied and the course closes with an examination of Post-Realism, Symbolism, and Contemporary French drama.

In 1919-20 the subject of the seminary will be Romanticism and Realism. The origins of romanticism will be examined in the rise of "*le cosmopolitisme littéraire*," in eighteenth century French literature and especially in the works of Rousseau and Madame de Staël.

A parallel study of the theories underlying literary and historical realism will be made in connection with Taine, Renan, Zola, and Maupassant.

In 1920-21 the subject of the seminary will be Phases of Romanticism in the Nineteenth Century as illustrated by Hugo, Gautier, and Flaubert. A special study is made of the origin and development of the theory of *L'art pour l'art*.

Dr. Beck conducts in each year the following graduate seminary:

Seminary in Mediæval French Literature.

Two hours a week throughout the year.

The work expected of graduate students in the seminary in Mediæval French Literature consists of a paleographical analysis of the original manuscripts, a cursory interpretation of the texts, a review of the opinions expressed by the respective specialists on each subject and a critical discussion of the comparative value of the work in question. These reports are intended to train graduate students in literary research. The courses in other Romance Languages (Italian and Spanish) and also those in Middle English are recommended to students in Mediæval French literature. During her first year of work in this seminary each student is required to take also the Seminary in Romance Philology, unless she has already taken a corresponding course.

In 1918-19 the Evolution of Dramatic and Epic Literature from the twelfth to the sixteenth century is studied in the seminary: the development of actual stage drama from the primæval liturgical ceremonies, these and the epic parts of Scripture in relation to the Mystères; the dramatic elements contained in mediæval lyrics, such as the Aubes, Pastourelles, Jeux-Partis and in the dialogue forms of certain types, such as the Chansons à danse; the primitive Opera comique, a combination of lyrics and epics: Aucassin et Nicolette, Robin et Marion, le Jeu de St. Nicolas, etc. The work of the second semester is devoted entirely to a systematic study of the origin and development of Old French epics in the light of Bédier's work.

In 1919-20 the subject of the seminary in Mediæval French Literature is the Origin of French Literature from the earliest documents to the twelfth century. The literary products of this period are read and interpreted from photographic reproductions of the original manuscripts. The main emphasis is laid upon the development of mediæval literature from the previous Middle Latin literature, to show the interrelations between literature written in the various languages and dialects, both Romanic and Germanic, and the religious literature, and to illustrate the international character of literature during that period. The origin of mediæval lyric poetry is derived from the Tropes and Sequences of St. Martial de Limoges and of St. Gall, the Epic Poetry from the Lives of the Saints and the dramatic literature from the Liturgy of the Church. The absolute unity of mediæval art in the conception of the authors and artists of the Romanesque and Gothic periods will be illustrated by the mutual connections between the various literary genres and the different branches of fine arts, such as architecture, sculpture, painting, and music.

In 1920-21 the subject of the seminary will be Rabelais' *Gargantua et Pantagruel*.

Dr. Beck offers in each year the following graduate courses:

Old French Philology.

Three hours a week throughout the year.

Historical Grammar of Old French, followed by Critical Reading of Old French texts, in their chronological order, chosen from the most representative genres and dialects, including Anglo-Norman. Students of Old French Philology should be provided with E. Monaci's *Facsimili di Documenti per la storia delle lingue e delle letterature Romanze*, Nyrop, *Grammaire historique de la Langue Française*, Vol. 1, and K. Bartsch, *Chrestomathie de l'Ancien Français*. This course is equivalent to a full seminary and counts as such.

Introduction into the study of Romance Philology.

One hour a week throughout the year.

Derivation of the Romance Languages, chiefly Old French, Old Italian and Old Spanish. This course is planned to meet the needs of all students of Romance Languages whether they are specializing in French, Italian or Spanish. It will require two hours of work a week in addition to the hour of lecture. Graduate students taking the graduate course in Old French Philology or the graduate language courses in Italian and Spanish who have not had this course or its equivalent are strongly advised to take it at the same time, and will be given an allowance of three hours in the work required to make these courses equivalent to seminaries. The two combined courses will be equivalent to a full seminary and will count as such.

Dr. Beck offers in 1918-19 and again in 1920-21 the following graduate course intended especially for teachers of French:

The Foundations of French Grammar.

One hour a week throughout the year.

This course is intended to train teachers to be able to give a rational explanation of the various functions of parts of speech and to dispense with mechanical grammatical rules.

Dr. Beck offers in 1919-20 and again in 1921-22 one of the following graduate courses:

Old Provençal.

One hour a week during the first semester.

Historical Grammar of the Old Provençal language.

Old Provençal Literature.

One hour a week during the second semester.

The evolution from the Tropes and Sequences of the Troubadour-Lyrics and earliest Provençal Drama.

The Influence of Mediæval Latin Poetry upon Romance Versification.

One hour a week throughout the year.

The linguistic difference between Classical and Low Latin explains the change from quantitative to qualitative prosody. The fundamental difference between the rhythmical nature of Teutonic and Romance languages explains the dissimilarity in their respective versifications. The origin of Rime and of Isosyllabism in French.

Students who take this course are supposed to be familiar with classical and mediæval literature.

Advanced Old French Philology.

Two hours a week throughout the year.

The influence of Mediæval Latin upon the formation of the Old French literary language is studied. After an introduction to Mediæval Latin philology, the linguistic value of mediæval grammars, glosses, commentaries and interlinear translations is examined.

This course is open only to graduate students who have already taken the graduate course in Old French Philology and the Seminary in Mediæval French Literature or their equivalents.

Madame Rivière offers in each year the following graduate course:

Modern French Literature.

Two hours a week throughout the year.

The method used in advanced literary instruction in France and known as the "*Explications de textes*" will be employed, students being required to give oral lessons and to write many short papers.

In 1918-19 seventeenth century authors are studied.

In 1919-20 authors of the eighteenth century will be studied.

In 1920-21 the period selected will be the sixteenth century.

Dr. Schenck, Dr. Beck, Madame Rivière, Dr. Riddell, Miss Dorado, and Dr. Duncan together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

The Journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

POST-MAJOR COURSES.

Dr. Schenck offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Modern French Drama.

Three hours a week throughout the year.

The course begins with a study of the plays of the Romantic period, and traces the development of French drama throughout the nineteenth century to the present day. A special study is made of the modern tendencies represented by Brieux, Maeterlinck, and Paul Claudel. The course is conducted by means of lectures, class-room discussion, and reports.

Dr. Schenck offers in 1919-20 and again in 1921-22 the following post-major course, open to graduate students:

The Short Story (*Nouvelle*) in the Nineteenth Century.

Three hours a week throughout the year.

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France, and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

Madame Rivière offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Evolution of French Lyric Poetry.

Two hours a week throughout the year.

The origins of modern French lyric poetry are discussed with special emphasis on the poets of the 'Pléiade.' The romantic movement, l'Ecole du Parnasse, and the later nineteenth century poets are also studied.

Madame Rivière offers in 1919-20 and again in 1921-22 the following post-major course, open to graduate students:

The Evolution of the French Essay.

Two hours a week throughout the year.

The authors studied are Montaigne, Pascal, la Rochefoucauld, La Bruyère, Diderot, Voltaire, Renan, Sainte Beuve, Taine, etc.

Italian.

The instruction in this department is given by Dr. Agnes Rutherford Riddell, Associate in Italian.

GRADUATE COURSES.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French Philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Dr. Riddell offers in each year the following graduate seminary:

Seminary in Italian Literature.

Two hours a week throughout the year.

In 1918-19 the subject of the seminary is the Development of the Drama. The early drama, the *commedia dell' arte*, the drama of the eighteenth century, and the modern drama are studied.

In 1919-20 the subject of the seminary will be the Development of the Novel. The popular tale, the *novella*, and other manifestations of the story form will be studied. Special attention will be paid to the modern novel.

In 1920-21 the subject of the seminary will be the Heroic Epic, with special study of Ariosto and Tasso.

If necessary, modifications will be made in the work of the seminary to meet the special requirements of students presenting themselves for it.

Dr. Riddell offers in each year the following undergraduate courses open to graduate students:

Introductory Italian.

Five hours a week throughout the year.

This course is specially designed to enable students (a) to read modern Italian and to write simple Italian; (b) to read Dante as soon as possible. The reading of Dante will, it is hoped, be begun before the end of the first semester. Some practice is also given in speaking Italian.

Lectures on the History of Italian Literature.

Three hours a week throughout the year.

Reading from Petrarch, Boccaccio, Boiardo, Ariosto, Castiglione, Tasso, Goldoni, Alfieri, Manzoni, Leopardi, Carducci and others. The influence of Italian on other literatures, especially English literature.

Reading and Composition.

Two hours a week throughout the year.

Reading of modern plays and short stories by D'Annunzio and others. Composition in Italian.

Spanish.

The instruction in this department is given by Dr. Fonger DeHaan,* Professor of Spanish, Miss Carolina Marcial Dorado, Instructor in Spanish, and Dr. Margaret Steel Duncan, Instructor in French and Spanish.

GRADUATE COURSES.

The graduate seminary in Spanish is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French Philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Dr. DeHaan* offers in each year the following graduate course:

Spanish Philology.

Two hours a week throughout the year.

The work of the course will consist of a study of Spanish philology and readings in Old Spanish. The course occupies one-third of the student's time and is counted as equivalent to a seminary.

* Granted leave of absence for the years 1917-19.

The following graduate seminary is offered in each year:

Seminary in Spanish.

Three hours a week throughout the year.

In 1919-20 the origins of the Spanish novel will be studied.

In 1920-21 Tirso de Molina, the plays, will be the subject of the seminary.

The following undergraduate courses, open to graduate students, are offered in each year:

FIRST YEAR.

Spanish.

Five hours a week throughout the year.

The object of this course is to give beginners a good knowledge of modern Spanish. The first weeks are given to the essentials of grammar; exercises at frequent intervals during the first semester give practice in the application of the principles; the remaining time is given to reading prose texts. In the second semester exercises in composition are continued but a greater proportion of the time is given to reading; novels and plays in prose are read and attention is paid to conversation. This course is conducted in 1918-19 by Miss Dorado and Dr. Duncan in two sections.

SECOND YEAR.

Spanish.

Five hours a week throughout the year.

The work of the first year course is extended by the reading of moderately long and fairly difficult novels by representative modern authors, and some plays in verse, preferably of the classical period. Passages of continuous English prose are translated into Spanish. This course is conducted in 1918-19 by Miss Dorado four hours a week and by Dr. Duncan one hour a week.

German.

The instruction in this department is under the direction of Dr. Karl Detlev Jessen, Professor of German Literature, and Dr. Mary Agnes Quimby, Instructor in German.

GRADUATE COURSES.

The graduate courses offered in German philology may be found under the head of General Teutonic Philology.*

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Teutonic philology as an associated minor and students who offer Teutonic philology as a major subject must offer German literature as an associated minor. In the major

* Owing to the small number of students electing courses in German temporary arrangements will be made for instruction in the courses offered in Teutonic Philology.

together with the associated minor the student must offer two seminaries and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Dr. Jessen conducts in each year the following graduate seminary:

Seminary in German Literature.

Two hours a week throughout the year.

It is hoped that the students will become familiar in the seminary with the methods of scientific literary criticism and investigation.

In 1918-19 the Romanticism of early modern German literature is studied in the seminary.

In 1919-20 topics from the classical period of German literature will be studied. Alternative subjects of study will be Luther and the Humanists or Nietzsche.

In 1920-21 Goethe will be the subject of study in the seminary.

Dr. Jessen offers in 1918-19 and again in 1920-21 the following graduate courses:

German Metrics.

One hour a week during the first semester.

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics.

One hour a week during the second semester.

Lectures are given on *Deutsche Poetik* and *Stilistik*.

Dr. Jessen offers in 1919-20 and again in 1921-22 the following graduate courses:

German Literary Criticism.

One hour a week during the first semester.

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative, and French and English literary criticisms are also considered. Lessing's *Laokoon* and *Hamburgische Dramaturgie* and Schiller's essays on æsthetics are specially studied. The course is open to those students only who have a reading knowledge of French and German.

The German Essay.

One hour a week during the second semester.

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

Dr. Jessen offers in each year, if the time of the department permits, one of the following graduate courses:

Goethe's *Faust*.

Two hours a week throughout the year.

This course is intended to give a detailed introduction to the problems of *Faust-philologie*, dealing with both the first and second part of *Faust*.

Goethe's Life and Works.

Two hours a week throughout the year.

This course aims at giving an introduction into *Goethe-philologie*.

Dr. Jessen conducts in each year the German journal club.

German Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. Jessen offers in 1918-19 and again in 1920-21 the following post-major courses, open to graduate students:

Lectures on the History of German Literature from the Romantic School to 1850.

Two hours a week during the first semester.

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution; the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century, continuation of the Romantic movement.

Two hours a week during the second semester.

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romanticists. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

Dr. Jessen offers in 1919-20 and again in 1921-22 the following post-major courses, open to graduate students:

German Literature from 1850 to the present time.

Two hours a week during the first semester.

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, in particular of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the present time (continued).

Two hours a week during the second semester.

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Louise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig and others; the significance of Nietzsche for German life and literature; neo-romanticism and *Heimatsdichtung*.

Dr. Jessen offers in each year the following post-major course, open to graduate students:

Advanced Critical Reading.

One hour a week throughout the year.

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works. Special attention will be paid to the needs of students who intend to teach German.

The following post-major courses open to graduate students are given when the time of the department permits:

Elementary Middle High German.

One hour a week throughout the year.

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. Paul's *Mittelhochdeutsche Grammatik* (8th edition, Halle, 1911) and Hartmann von Aue's *Der arme Heinrich* are used.

Advanced German Composition.

One hour a week throughout the year.

Difficult English prose selections are translated into German. The intention of the course is to increase the understanding and feeling for written and spoken German. Attention is paid to the needs of students intending to teach German.

GENERAL TEUTONIC PHILOLOGY,*

Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of Teutonic philology, Gothic, and Middle High German grammar, are designed for students in their first year of graduate study in Teutonic languages, and the remaining courses for students in their second or third year.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

The following graduate seminary is offered* in each year:

Teutonic Seminary.

Two hours a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1918-19 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* are studied in the first semester. The many problems that these texts

* See footnote, page 69.

offer and the various attempts to solve them are discussed. In the second semester modern High German texts is the subject of the seminary.

In 1919-20 the subjects of the seminary will be taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it will be discussed.

In 1920-21 the seminary is devoted to High German texts from the fourteenth to the seventeenth century. The material is taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Müller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. If it seems advisable Old Saxon texts (*Heliand* and *Genesis*) are also studied.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

The following graduate courses are offered* in each year:

Introduction to the Study of Teutonic Philology.

One hour a week throughout the year.

After a discussion of the aim and method of historical and comparative grammar, these lectures deal with the relation of Teutonic to the cognate Aryan languages. A brief sketch of the single Aryan languages is given, followed by a more comprehensive discussion of the Teutonic languages and chiefly of the West Germanic branch.

Gothic.

Two hours a week throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar; on the other hand the Gothic forms are compared with those of other Teutonic languages. Braune's *Gotische Grammatik* (8th ed., Halle, 1912); or Streitberg's *Gotisches Elementarbuch* (3rd ed., Heidelberg, 1910) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible. *Die gotische Bibel* (ed. by W. Streitberg, Heidelberg, 1908) is used by the more advanced students.

Middle High German Grammar and reading of Middle High German Texts.

Two hours a week throughout the year.

This course includes a brief abstract of Middle High German grammar and literature with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Selections from classical Middle High German poets are read, and also selections from the *Nibelungenlied*, a brief account being given of the history and development of the *Nibelungenlied* and its manuscripts.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (8th ed., Halle, 1911), or Michels's *Mittelhochd. Elementarbuch* (2nd ed., Heidelberg, 1912).

This course is required of all students that make Teutonic philology a minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

Middle Low German.

One hour a week throughout the year.

A sufficient knowledge of Old Saxon is presupposed on the part of students taking this course. The Middle Low German grammar is studied and representative Middle Low German texts are read. This course may be substituted for the course in Middle High German in accordance with the requirements of the students in any particular year.

Old Norse.

Two hours a week throughout the year.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course the

* See footnote, page 69.

Norse sounds and forms are studied and compared with those of the Gothic and West-Germanic dialects.

In the first year's course prose texts will be read; in the second year the Edda will be studied and some of the problems connected with the study of the Edda will be discussed.

The books used are Heusler's *Altisländisches Elementarbuch* (Heidelberg, 1913) and some of the *Islendinga sögur* (*Altnordische Saga-Bibliothek*) and Hildebrand-Gering's (3rd ed., Paderborn, 1913) or Neckel's (Heidelberg, 1914) *Edda*.

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, and works on Old Norse language and literature.

The following graduate courses are offered* in 1918-19 and again in 1920-21:

Old Saxon.

Two hours a week during the second semester.

The work presupposes on the part the students a sufficient knowledge of Gothic and Old High German. Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1900) or Gallée's *Altsächsische Grammatik* (2nd ed., Halle, 1910), *Heliand* (Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894) are used.

History of Modern High German.

One hour a week throughout the year.

These lectures deal with the history of the development of the German written language during the Modern High German period. The most important *Kanzleisprachen*, the most prominent *Druckersprachen*, Luther, Modern German sounds and forms in their relation to the German dialects and to the rules of the *Bühnenaussprache*, will be discussed.

The following graduate courses are offered* in 1919-20 and 1921-22:

Old High German.

Two hours a week throughout the year.

This course includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Gothic, Middle and Modern High German. The relations with other cognate languages of the Teutonic branch as well as other Aryan languages (chiefly Latin) are also discussed. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the difference between the Old High German dialects.

Comparative Teutonic Grammar.

One hour a week throughout the year.

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

In addition to the above courses, others in Old Frisian, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon. A course in Sanskrit is offered which is specially recommended for students of Teutonic philology.

* See footnote, page 69.

Semitic Languages and Biblical Literature.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. Mr. Albert J. Edmunds presented to the college in 1907 his library of 500 volumes on the history of religion. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighbouring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

GRADUATE COURSES.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialize in Hebrew or Assyrian. Students who offer Hebrew or Assyriology as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages and in this enumeration Syriac and Jewish Aramaic may not count as separate languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least six hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

Dr. Barton offers in 1918-19 and again in 1920-21 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

This seminary is devoted to Hebrew or Assyrian, the languages that may be offered as major subjects for the doctor's degree. The time may be devoted to one of these languages, or may be divided between the two, according to the needs of the students. In Assyrian the subject may be chosen from one of the following: the oldest Babylonian inscriptions, temple archives of Telloh, Sumerian hymns, the code of Hammurabi, Semitic contracts or mythological poetry. In Hebrew one of the following subjects may be selected: the historical books, Job, the Psalter, Isaiah, Jeremiah, Ecclesiastes and the Song of Songs, or Hebrew Epigraphy. In the Hebrew seminary the students are trained in textual criticism through the use of the ancient versions.

Comparative Semitic Grammar.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis with comparisons from the Egyptian and other Hamitic languages. This course is given in the fourth year of the study of Semitic languages.

Ethiopic.

One hour a week throughout the year.

The grammar and *Chrestomathia* of Praetorius and Dillmann are used and in the latter part of the course selections are read from the book of Enoch.

Seminary in Aramaic and Arabic.

Two hours a week throughout the year.

This seminary is devoted to Arabic or Aramaic, the languages that may be offered as minor subjects for the doctor's degree. The time may be devoted to one of the languages, or may be divided between the two, according to the needs of the students. In Arabic the subject may be chosen from one of the following: the Coran, pre-Islamic poetry, Arabic geographers, or South Arabic inscriptions. In Aramaic, one of the following subjects may be selected: a comparative study of the Syriac Versions of the Gospels, the Syriac Version of one of the Old Testament books, the writings of Gregory Bar Hebraeus, or of Efraem, the Targum on one of the Old Testament books, the Talmud, or Aramaic inscriptions.

Egyptian.

One hour a week throughout the year.

The elements of Egyptian and Coptic grammar are taught, and some texts in each language interpreted.

Seminary in Oriental Archæology.

One hour a week throughout the year.

The work of this course may be devoted to the archæology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archæological objects, of reports, criticisms, conferences, and occasional lectures. To meet the needs of students of ancient history, the seminary may in some years be devoted to the history of one of the countries mentioned. The work will then consist in a study of the sources of the history of the country chosen, and the proper method of using them.

Dr. Barton offers in 1919-20 and again in 1921-22 the following graduate courses:

Semitic Seminary.

Two hours a week throughout the year.

The work of the seminary is continued as given in 1918-19.

Seminary in New Testament Greek.

One hour a week throughout the year.

The work of the seminary is varied from year to year, so that a continuous course, covering the interpretation and the literary problems of the entire New Testament and the

sub-Apostolic literature, may be pursued through four years. A year is devoted to the New Testament Epistles, another to the interpretation of the Gospels and the Synoptic and Johannine problems, a third to the books of Acts and Revelation, and a fourth to the Apostolic Fathers. During the first year of her work each student is given guidance in a course of reading on the history of the text and the science of textual criticism and also guidance in the practice of this discipline. A course in Greek equivalent to the major course in Greek in Bryn Mawr College is required of students taking this seminary.

Seminary in the History of Religion.

One hour a week throughout the year.

The work of this seminary may be carried on in either of the following ways: By means of lectures, reports, and discussions the principal features of primitive religions are ascertained, and the principal civilized religions studied with special reference to origin, historical development, and religious point of view. The time may be devoted to investigating problems connected with one religion.

Elementary Semitic Languages.

Two hours a week throughout the year.

This course may be devoted to the elements of Hebrew, or of Aramaic (Syriac and Jewish Aramaic), or Assyrian, or Arabic according to the needs of the students. The time may, if necessary, be divided between two of these languages.

Hebrew Literature.

One hour a week throughout the year.

This course is devoted to a study of the Prophets, the Pentateuch, and the historical books of the Old Testament.

Dr. Barton offers each year one of the following free elective undergraduate courses in biblical literature; the course selected by the greater number of students will be given:

History of the Old Testament Canon.

Two hours a week throughout the year.

In this course the history of the composition of the books of the Old Testament and their collection into a canon are studied. Special attention is given to the literary form and purpose of each book.

History of the New Testament Canon.

Two hours a week throughout the year.

In this course the history of the composition and collection of the books of the New Testament is studied. The instruction is given in lectures, and reading is assigned in the New Testament and in modern literature concerning it.

New Testament Biography.

Two hours a week throughout the year.

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated by photographs of the most important places connected with the lives of Christ and St. Paul.

History of Christian Doctrine.

Two hours a week throughout the year.

In the first semester the study is devoted to the Old Testament conceptions of God, Sin, and Redemption, and to Christianity as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

The Religions of the World.

Two hours a week throughout the year.

The course begins with a study in primitive religions of certain fundamental conceptions. The great historical religions of the world are then studied in outline with special reference to the origin, development, and fundamental ideas of each.

Dr. Barton offers in each year the following free elective undergraduate courses in Oriental History, which taken together cover the great civilizations of Asia and North Africa:

History of the Near East.

Three hours a week throughout the year.

This course treats in broad outlines the history and civilization of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal Oriental nations, Egyptians, Babylonians, Assyrians, Phoenicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilization of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilization. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

History of the Far East.

Two hours a week throughout the year.

This course treats in outline the history of China, India, and Japan from the earliest times to the present. It aims to acquaint the student with the origin, development, and principal features of the civilizations of those lands.

History.

The instruction in this department is under the direction of Dr. Howard Levi Gray,* Professor of History, Dr. William Roy Smith,† Professor of History, Dr. Charles Wendell David, Associate Professor of European History, and Dr. Anna Lane Lingelbach, Lecturer in History.

GRADUATE COURSES.

Three distinct seminaries, two in English and European history and one in American history, are offered to graduate students in history in addition to a course in Historical Method and Bibliography and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Gray* conducts in each year the following graduate seminary:

Seminary in English and European History.

Three hours a week throughout the year.

In 1918-19 England in the sixteenth century is the subject of the seminary. The agrarian problem and the disorder connected with it, the increase of royal power at the

* Granted leave of absence for the year 1918-19. The courses announced by Dr. Gray were offered by Dr. Lingelbach in 1918-19.

† Granted leave of absence for the year 1919-20. The courses announced by Professor William Roy Smith will be given by an instructor whose appointment will be announced later.

expense of the old nobility, the rise of a new nobility, the renunciation by the English church of papal authority with the consequent administrative and dogmatic changes, the commercial and colonial ambitions of England, and the conflict with Spain receive attention.

In 1919-20 the subject of the seminary will be a study of the reigns of Edward III and Richard II. The progress of the Hundred Years' War, the innovations in military science, the social changes wrought by the Black Death, the attitude of government and people toward the church, the causes of the Peasants' Revolt of 1381, the rise of a native merchant class, and the composition and power of Parliament will receive attention. Contemporary chronicles and state papers are the bases of study.

In 1920-21 the subject of the seminary will be England in the fifteenth century. The development of the art of war, the legislation of Lancastrian and Yorkist parliaments, the prosperity of towns and merchants, the influence of the Burgundian connection, and the effects of the Wars of the Roses are examined.

Dr. William Roy Smith* conducts in each year the following graduate seminary:

Seminary in American History.

Two hours a week throughout the year.

In 1918-19 the Revolution, the Confederation, and the Constitution are the subjects of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

In 1919-20 the seminary will deal with the Civil War and Reconstruction. Special stress will be laid upon the social, economic, and political reorganization of the South, the North and the West and also of the nation as a whole during the period from 1861 to 1877.

In 1920-21 the subject of the seminary will be slavery and the negro problem. After a preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Method and Bibliography.

Dr. David conducts in each year the following graduate seminary:

Seminary in Mediæval and Modern European History.

(Not given in 1919-20.)

Two hours a week throughout the year.

In 1918-19 the subject of the seminary is the French Revolution and Napoleon. Topics are selected for special study either from the revolutionary or from the Napoleonic period, with a view to illustrating various kinds of historical problems and gaining an adequate working knowledge of the principal printed sources and of the more important secondary writers.

In 1919-20 the subject of the seminary will be England during the transitional period of the late eighteenth and early nineteenth centuries. Special attention will be paid to the prospect of reform in England at the outbreak of the French Revolution, to the effect of the struggle with France and Napoleon upon England, and to the reform movement after the overthrow of Napoleon.

* See footnote, page 78.

In 1920-21 the subject of the seminary will be during the twelfth century. Special attention will be paid to the reigns of Henry I and Henry II, to institutional and cultural developments, and to English continental possessions and connections.

Dr. David offers in each year the following graduate course:

Historical Method and Bibliography. *One hour a week throughout the year.*

The matters dealt with in this course are the field of history and its relations to allied subjects; the evolution of the scientific historical method; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; the work and rank of leading historians of the modern school. Throughout the course practical studies will be assigned to illustrate the subjects under discussion. A reading knowledge of French and German is required. This course must be elected by all students in history during their first year of graduate study.

Dr. Gray, Dr. William Roy Smith, Dr. David, and Dr. Lingelbach, conduct in each year the historical journal club.

Historical Journal Club. *Two hours once a fortnight throughout the year.*

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

POST-MAJOR COURSES.

Dr. Gray offers in 1919-20 and again in 1921-22 the following post-major course, open to graduate students:

England to 1485. *Three hours a week throughout the year.*

The transformation of Anglo-Saxon into Norman England, the constitutional and legal innovations of the Norman and Plantagenet kings, the intellectual and social condition of England at the height of the Middle Ages, and the effects of the Hundred Years' War are subjects of study. The more important documents and secondary works are discussed and written reports are required.

Dr. Gray offers in 1920-21 and again in 1922-23 the following post-major course, open to graduate students:

England under the Tudors. *Three hours a week throughout the year.*

Attention will be given to the character of Tudor absolutism, parliamentary and local government, dynastic ambitions, foreign trade, the prosperity of the towns, and the yeomen, the progress of the Reformation, and the complications in foreign affairs arising from religious changes. The reading and reports will be based largely upon contemporary documents.

Dr. William Roy Smith offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

American Constitutional History from 1783 to 1865.

Two hours a week throughout the year.

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-book used is MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

Dr. William Roy Smith offers in 1919-20* and again in 1921-22 the following post-major course, open to graduate students:

American Constitutional History to 1783.

Two hours a week throughout the year.

The text-books used in the course are MacDonald's *Select Charters of American History* and *Select Documents of the History of the United States*. The members of the class are also systematically referred, not only to the general authorities, but also to colonial charters and constitutions, the records of the colonial governments as far as they are available, the journals of Congress, and other documentary materials.

Dr. David offers in 1918-19 the following post-major course, open to graduate students:

The French Revolution and Napoleon. *Three hours a week throughout the year.*

This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what has made him. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references.

Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith,† Professor of Economics and Politics, Dr. Charles Ghequiere Fenwick, Professor of Political Science, and Miss Marjorie Lorne Franklin, Instructor in Economics and Politics.

GRADUATE COURSES.

Three seminars, one in economics and two in political science, are offered each year in addition to the direction of private reading and original research. Post-major courses amounting to five hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Marion Parris Smith offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

The object of the seminary is to train students in methods of research and to give them practice in using the sources of economic history and theory.

In 1918-19 the Tariff, Currency and Banking in the United States are the subjects of the seminary.

* See footnote, page 78.

† Granted leave of absence for the year 1919-20. The courses announced by Professor Marion Parris Smith for the year 1919-20 will be given by an instructor whose appointment will be announced later.

In 1919-20* the subject of the seminary will be Taxation, Banking and Railroad Finance since 1900.

In 1920-21 the Theories and Problems of Distribution and the agencies in modern social life that effect the distribution of wealth are studied. Special attention is paid to wage problems, profit sharing, various plans for controlling large scale production, land reforms, and income and excess profits taxation.

In 1921-22 Economic Theory and Economic History in the United States from 1790 to 1850 will be studied.

Dr. Fenwick offers in each year the following graduate seminary:

Political Seminary.

Three hours a week throughout the year.

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1918-19 Constitutional Questions involved in Modern Economic and Social Problems are the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states dealing with those subjects. As an introduction the various theories relating to the proper functions of the state are discussed.

In 1919-20 Comparative Constitutional Government will be the subject of the seminary. The object will be to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised will be the location of sovereign power, the authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

In 1920-21 the Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students will be required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

Miss Franklin conducts in each year the following seminary:

Seminary in Municipal Government.

Three hours a week throughout the year.

This seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city-manager forms, are considered in the early part of the course. A study of modern municipal administration follows, including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises and public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research.

Dr. Marion Parris Smith, Dr. Fenwick, and Miss Franklin conduct in each year the economics and politics journal club.

Economics and Politics Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism..

* See footnote, page 81.

POST-MAJOR COURSES.

Dr. Marion Parris Smith offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

American Economic and Social Problems. *Two hours a week throughout the year.*

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban population; the development of city life; the problems of country life; immigration, the race problem; problems of food distribution and marketing, cost of living, etc. Special topics are assigned to students for reports and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in 1919-20* and again in 1921-22 the following post-major course, open to graduate students:

Economic and Social Legislation in England and America since 1890.

Three hours a week throughout the year.

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wages, the sweated trades, old age pensions, the unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed, as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

Dr. Fenwick offers in 1918-19 and again in 1919-20 the following post-major course, open to graduate students:

International Law.

Two hours a week throughout the year.

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations.

Dr. Fenwick offers in 1920-21 the following post-major course, open to graduate students:

Constitutional Law of the United States.

Two hours a week throughout the year.

In this course the leading principles of the American constitutional system will be examined. The course will deal principally with the federal constitution and the decisions of the Supreme Court of the United States. Some attention will be given, however, to state constitutions and the decisions of state courts. Stress will be laid upon decisions relating to social and economic questions.

Dr. Fenwick offers in each year the following free elective course, open to graduate students:

Elements of Private Law.

One hour a week throughout the year.

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into con-

* See footnote, page 81.

tact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of Procedure. The lectures are supplemented by a study and discussion of court cases bearing on the subject. The course is open only to students who have pursued a course in economics and politics or in history for at least five hours a week for a year.

Social Economy and Social Research.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research.

This department was opened in the autumn of 1915 and is known as the Carola Woerishoffer Graduate Department of Social Economy and Social Research in order that the name of Carola Woerishoffer may be associated in a fitting and lasting way with Bryn Mawr College which she so generously endowed. The department affords women an opportunity of obtaining advanced scientific training in philanthropy and social service to which Carola Woerishoffer devoted her life.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Economy and Social Research, Miss Angie Lillian Kellogg, Instructor (and Associate elect) in Social Economy and Social Research; Miss Anna Bezanson, Instructor in Social Economy and Social Research; and Miss Gladys Louise Palmer, Secretary to the Department of Social Economy and Social Research, with the co-operation of the following members of the closely allied departments of Economics and Politics, Psychology, Education, and Philosophy: Dr. Marion Parris Smith, Professor of Economics; Dr. Charles Ghequiere Fenwick, Professor of Political Science; Miss Marjorie Lorne Franklin, Instructor in Economics and Politics; Dr. Theodore de Leo de Laguna, Professor of Philosophy; Dr. James H. Leuba, Professor of Psychology; Dr. Clarence Errol Ferree, Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Applied Psychology; Dr. Matilde Castro, Professor of Education; Dr. David Hilt Tennent, Professor of Biology, and Dr. Ellen C. Potter, Lecturer in Social Hygiene. The seminars and courses given by these instructors and enumerated below are specially adapted for students of Social Economy and Social Research.

The courses in Social Economy and Social Research are intended for graduate students who may present a diploma from some college of acknowledged standing. No undergraduate students are admitted although graduate students in the department may elect, subject to the approval of the Director, undergraduate courses in other subjects.

Students of this department should offer for admission to their graduate work a preliminary course in economics, and more advanced courses equivalent to the Bryn Mawr College major course in economics, politics, psychology, philosophy, or history, and also preliminary work in psychology or biology, or should follow such courses while taking the work of the department.

The courses are planned for one, two, and three years, on the principle that about two-thirds of the student's time shall be given to the study of theory and the remaining one-third to practical work and investigation in her chosen field. Students entering the department are expected to pursue the work throughout one year at least. After one year of work in this department one-half year may be given to a practicum in residence in a social service institution, in connection with a social welfare or community organization, in a federal or state department of Labour and Industry, in a federal or state employment office, or in a manufacturing or mercantile establishment in Philadelphia, New York, New England, or elsewhere, during which time the practical work and special reading and research will be supervised by the instructor in charge of the practicum and the head of the institution, department or business firm.

The fields from which a subject for the practicum may be chosen are as wide as are the organized activities for social welfare. Advantage has been taken by the department of the very generous interest and co-operation of the Philadelphia social agencies, federal and state departments and manufacturers and merchants to secure for its students definite affiliations with practical work in the fields chosen by them. This has led in the years 1915-18 to an arrangement for co-operative work with the College Settlement, the Municipal Court, the Society for Organizing Charity, the Women's Trade Union League, the Social Service Departments of the University of Pennsylvania Hospital, the Bryn Mawr Community Center, the Massachusetts Minimum Wage Commission, the Federal Children's

Bureau, the Children's Aid Society, the Consumers' League, the Seybert Institution, the White-Williams Foundation, the U. S. Employment Service, and the State Department of Labour and Industry.

The following business firms have afforded opportunity for practical work in industrial supervision and employment management in or near Philadelphia:

The American Pulley Company, The Atlantic Refining Company, The Barrett Company, Bell Telephone Company, Edward G. Budd Manufacturing Company, A. M. Collins Company, Curtis Publishing Company, Henry Disston & Sons Company, Eddystone Munitions Works, General Electric Company, Hog Island, Link Belt Company, MacArthur Brothers, Midvale Steel Corporation, Miller Lock Company, Notaseme Hosiery Company, Pennsylvania Railroad, Fayette R. Plumb Company, J. B. Stetson Company, Sutro Hosiery Company, John Wanamaker.

Graduates of colleges other than Bryn Mawr College that have completed the required preliminary work in Economics, Political Science and Psychology and are able to study for one year only will receive certificates stating the courses they have satisfactorily completed. As the degree of Master of Arts is conferred only on graduates of Bryn Mawr College it is hoped that this certificate will in many cases be accepted for the master's degree in the colleges and universities from which students have received their bachelor's degree. Graduates of Bryn Mawr College may receive the degree of Master of Arts in Social Economy and Social Research under the conditions prescribed for this degree.

Graduate students that have completed the required preliminary work who are able to study for two years will receive certificates stating the courses they have satisfactorily completed.

The degree of Doctor of Philosophy in Social Economy and Social Research is open to graduates of all colleges of high standing under the conditions prescribed for this degree in Bryn Mawr College.

Candidates for the degree of Doctor of Philosophy in Social Economy and Social Research may select the associated or independent minor from the following seminaries and graduate courses and from other graduate seminaries or courses, subject to the approval of the Graduate Committee. Candidates for this degree in other departments may elect, with the approval of the Director, the following seminaries for the associated or

the independent minor according to the regulations of the Academic Council of Bryn Mawr College.

Six seminars, three including practicums, and five graduate courses, are given each year in the Carola Woerishoffer Department in addition to seminars and courses in economics, politics, education, philosophy, and psychology. Direction of investigation and research in special fields, and supervision of the practicum in social and industrial welfare accompanies the seminars and courses. The seminars and courses announced by the department are given in rotation so that different courses may be taken in consecutive years. The selection of courses depends upon the field of social work which the student may choose. A seminary in Social Economy or a seminary in Social Theory, and, unless previously taken, undergraduate courses in Elements of Statistics and Methods of Social Research are required of all students of the department.

GRADUATE COURSES.

The following graduate seminars and courses may be elected subject to the approval of the Director of the Department by students working for the first and second year certificates as well as by candidates for the degree of Master of Arts or of Doctor of Philosophy in Social Economy and Social Research, or may be offered as the associated or independent minor with the approval of the Director of the Department when the major is taken in certain other departments according to the regulations of the Academic Council.

Dr. Kingsbury offers in each year the following graduate seminary:

Seminary in Social Research.

Three hours a week throughout the year.

In 1918-19 the subject of the seminary is married women in industry, with special reference to mothers in industry.

In 1919-20 the subject of the seminary will be Community and Industrial Surveys.

In 1920-21 the seminary will be selected from the following aspects of Social and Industrial Problems: (1) social relations, (2) vocational opportunities and demands, (3) standards of living, including income and wages, (4) the relation of health and industry, (5) industrial relations of women and minors. Research including field work with conferences will be required of research fellows and will be offered to every student. A group of students may co-operate to produce a study which, it is hoped, will prove a contribution to our knowledge of the social or industrial conditions investigated.

As the chief subjects of investigation will vary from year to year, as noted above, it will be possible for students to follow the work of the seminary for three consecutive years.

Miss Kellogg offers in 1918-19 and again in 1920-21 the following graduate seminary:

Seminary in Races and Peoples.

Two hours a week throughout the year.

A study is made of the definitions of race, of theories regarding the origin and evolution of races, and of sociological characterizations of peoples.

Miss Kellogg offers in 1919-1920 and again in 1921-22 the following graduate seminary:

Seminary in the Family as a Social Institution.

Two hours a week throughout the year.

A study is made of theories regarding the origin and evolution of the family as a social institution; such as the patriarchal theory, the theory of the horde and mother-right, and the theory of the monogamous or pairing family. In connection with these theories are considered the questions of original communism, polygamy, polyandry, monogamy, exogamy, endogamy, wife-capture, wife-purchase, marriage contracts, and divorce, and finally modern theories as to the future of the family.

Miss Bezanson offers in 1918-19 and again in 1920-21 the following graduate seminary:

Seminary in Labour Organization.

Two hours a week throughout the year.

Assuming on the part of students a knowledge of the general concepts of labour economy this seminary discusses questions dealing with trade unionism, employers' associations, wage systems, scientific management, and unemployment. The modern problem of industrial democracy is traced through the various stages of collective bargaining, shop agreements, co-operative management and the recent developments of the British National Industrial Councils.

Miss Bezanson offers in 1919-20 and again in 1921-22 the following graduate seminary:

Seminary in Industrial Organization.

Two hours a week throughout the year.

This seminary undertakes a study of business organization as an element in industrial society. It especially emphasizes the aspects of the industrial combination in its effects upon efficiency and wages.

The purpose is also to present the standard practice in industrial organizations and management. It gives a conception of the entire plant structure in order to suggest possibilities of co-operation between departments, and to insure an understanding of their difficulties. It will concern itself with the location and equipment of a plant and its administration, including functions of the officials and departments and their inter-relations in all stages from purchasing and employing to marketing.

Dr. Kingsbury offers in each year the following graduate seminary:

Seminary in Social Economy.

Two hours a week throughout the year.

This seminary includes the Practicum in Community Organization and Administration. It combines practical work in social and community education with reports and discussions. It must be accompanied by the course in Community Organisation and must be preceded or accompanied by the seminary in Essentials of Educational Theory and Practice for Social Workers or its equivalent. In addition to reports and conferences, seven or twelve hours a week, according to election, are devoted to active work in a social center or settlement by which the student gains vital illustration of the principles of organization of com-

munity activities, extra curricula classes and vocational education, citizenship movements, forums, social clubs, playgrounds and other educational movements for adults and children. Experience is then attained in the technique and method of conduct of such activities, and opportunity given for a knowledge of record keeping, of special brief community surveys and of the relation of citizen groups to government officials and institutions. Two or three months of non-resident practice in social centers and settlements, playgrounds or fresh-air camps may be arranged for the summer following the resident work at Bryn Mawr.

The fields from which the subject for the practicum may be chosen are community and social centers, settlements, playgrounds, health and recreation centers, and have included the Bryn Mawr Community Center, The Philadelphia College Settlement and work in smaller neighboring communities.

Miss Kellogg offers in each year the following graduate seminary:

Seminary in Social Economy.

Two hours a week throughout the year.

This seminary includes the Practicum in Social Relief and Social Guardianship. It must be accompanied by the course in Social Treatment of Dependents, Delinquents, and Defectives and the course in Legal Procedure in Cases Involving Women and Children. Field work is carried on with such agencies as the following: The Philadelphia Society for Organizing Charities; The Home Service Department of the Red Cross; The Children's Bureau, an agency which investigates all complaints concerning children; The Children's Aid Society, a Child-Placing Agency; The Girl's Aid; The Vocational Guidance Bureau; Hospital Social Service Departments and the various departments of the Municipal Court, such as the Probation, Statistical, Employment Agency and Psychological Departments.

The field work with these agencies is under the supervision of Miss Kellogg and of the director of the particular agency or department. In addition to the regular practice work, students are taken on observation trips to courts, almshouses, orphanages, asylums, institutions for the feeble-minded, the blind, the crippled, hospitals, etc.

Miss Bezanson offers in each year the following graduate seminary:

Seminary in Social Economy.

Two hours a week throughout the year.

This seminary includes a practicum in Industrial Supervision and Employment Management, and consists of one day per week of industrial experience in or near Philadelphia and four months of non-resident industrial experience. During the period of residence at Bryn Mawr, the field work is devoted to assisting in an employment office, while group observation trips are regularly arranged. In the non-resident period the student, in addition to experience in the employment office, in being transferred from process to process, is enabled by plant supervision to see not only the conditions of work but the adjustment of employment problems to the other factors of industry. Experience may also be afforded in the federal employment service and in factory inspection. In connection with this seminary each student must take the course in Industrial Supervision and Employment Management, and must precede or accompany it by the Seminary in Labour Organization or Industrial Organization or the equivalent.

In 1918-19 this seminary met two hours a week during the first semester, and was repeated during the second semester.

Miss Kellogg offers in each year the following graduate courses:

Social Treatment of Dependents.

Three hours a week during the first semester.

This course involves a study of the principles, methods, and agencies employed for the prevention, relief and cure of dependency, defectiveness, and delinquency, such as family

case-work, outdoor relief, and institutional care. This course must be accompanied by the seminary in Social Economy including the practicum in Social Relief or Community Organization and Administration.

Social Treatment of Delinquents and Defectives.

Three hours a week during the second semester.

This course involves a study of the principles, methods, agencies and institutions employed for the prevention, care and cure of defectives and delinquents, such as juvenile courts, probation and parole systems, the indeterminate sentence and psychological laboratories in connection with the courts. This course must be accompanied by the seminary in Social Economy including the practicum in Social Guardianship.

Community Organisation

Two hours a week throughout the year.

In this course the conceptions of community "associations," "societies" and other group formations are analyzed and the purposes and processes of administration of community associations are studied such as Community Centers, Settlements, Community Art, Drama, Music, and Recreation Clubs, Federation of Churches, Charities, etc., Red Cross, Home Service, Y. M. C. A. and Y. W. C. A., Public Health Associations, District Nursing Associations, etc.

Legal Procedure in cases involving women and children.

Two hours a week throughout the year.

The administrative side of the law affecting women and children is presented in this course. It includes a study of the law as applied in juvenile courts, domestic relations courts, and other municipal courts.

The following courses are open to graduate students by special arrangement:

Criminal Law.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Law offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course may accompany the course in Social Treatment of Delinquents and Defectives (Criminology) and the course in Legal Procedure in cases involving women and children.

Criminal Procedure.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Procedure offered by Dean Mikell at the Law School, Thirty-fourth and Spruce Streets, Philadelphia.

This course must be preceded by the course in Criminal Law.

Miss Bezanson offers in each year the following graduate courses:

Industrial Supervision and Employment Management.

Two hours a week throughout the year.

The course presents the problems and methods of personnel administration. It includes, besides the consideration of the organization and functions of personnel departments, such practical problems as the selection of the worker, his physical and mental capabilities, his placement, rating and promotion. Intensive study is devoted to the instability of employees through the proper analysis of labour turnover. Other subjects considered in the course are questions arising in the equipment, technique and conduct of the Federal Employment office or labour exchange, the principles and procedure of factory inspection and the approved methods of supervision of workers in industrial processes. The course must

be preceded or accompanied by the seminary in Labour Organization or Industrial Organization or the equivalent, and by the seminary in Social Economy including the Practicum in Industrial Supervision and Employment Management.

Advanced Statistics.

Two hours a week throughout the year.

This course attempts to study intensively the subjects of correlation and causation, or the functional relationships between series of facts. The main considerations of the course are the method of least squares, the theory of linear correlation, skew distribution, partial correlation, and the theory of contingency.

The course must be preceded by the course in Elements of Statistics or its equivalent, and a foundation in mathematics including the Calculus is desirable to facilitate ease in comprehension.

If accompanied by the Special Research in Statistics the course becomes equivalent to a seminary.

Special Research in Statistics.

Seven hours a week throughout the year.

This course including laboratory analysis and reports is offered in each year in connection with the course in Advanced Statistics and the two courses taken together are equivalent to a seminary.

Dr. Kingsbury, Miss Kellogg and Miss Bezanson conduct in each year the Social Economy Journal Club.

Social Economy Journal Club.

Two hours once a fortnight throughout the year.

Current books and articles are reviewed, recent reports, surveys and investigations are criticized, and the results of important research are presented for discussion.

Dr. Potter offers in 1918-19 and in each succeeding year the following graduate course, open to students working in the department:

Social Hygiene.

One hour a week during the first semester.

Dr. Castro offers in 1919-20 and in each succeeding year the following graduate seminary:

Seminary in Social Education.

Two hours a week during the first semester.

The Essentials of Educational Theory and Practice for Social Workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Dr. Marion Parris Smith offers in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

In 1918-19 the tariff, currency and banking in the United States are the subjects of the seminary.

In 1919-20* the subject of the seminary will be Taxation, Banking and Railroad Finance since 1900.

In 1920-21 the Theories and Problems of Distribution and the agencies in modern social life that effect the distribution of wealth will be studied. Special attention will be paid to wage problems, profit sharing, various plans for controlling large scale production, land reforms, and income and excess profits taxation.

In 1921-22 Economic Theory and Economic History in the United States from 1790 to 1850 will be studied.

Dr. Fenwick offers in each year the following graduate seminary:

Political Seminary.

Three hours a week throughout the year.

In 1918-19 Constitutional questions involved in modern economic and social problems are the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution on the legislative powers of Congress and of the several states in dealing with those subjects. As an introduction the various theories relating to the proper functions of the State are discussed.

In 1919-20 Comparative Constitutional Government will be the subject of the seminary. The object will be to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised will be the location of sovereign power, the authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

In 1920-21 Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States will form the basis of the work. Special stress will be laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

Miss Franklin conducts in each year the following seminary:

Seminary in Municipal Government.

Three hours a week throughout the year.

This seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city manager forms, are considered in the early part of the course. A study of modern municipal administration follows including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises and public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research.

Dr. Leuba offers in each year the following graduate seminary:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: instinct, feeling, and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology, arrested mental development, and its social and educational implications, etc.); animal behaviour.

* See footnote, page 81.

Dr. Leuba offers in each year the following graduate seminary:

Seminary in Social Psychology.

Two hours a week during the first semester.

In 1918-19 and again in 1920-21 the principles of social psychology and their applications to social problems are the subject of the seminary.

In 1919-20 and again in 1921-22 abnormal psychology, chiefly mental deficiency, and its social implications, or Temperament and Character, their instinctive and emotional foundation, will be the subject of the seminary.

This seminary is open to students who have pursued an elementary course in psychology. It may be elected separately or may be combined with the seminary in Social and Political Philosophy given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

Dr. Theodore de Laguna offers in each year the following graduate seminary:

Seminary in Social and Political Philosophy.

Two hours a week during the second semester.

The topics chosen for discussion will vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education. This seminary is open to students who have pursued an elementary course in philosophy. It may be elected separately or may be combined with the seminary in Social Psychology given in the first semester to count as a seminary in the Department of Social Economy and Social Research.

Dr. Castro offers in each year the following graduate seminary:

Seminary in Principles and Methods of Education.

Three hours a week throughout the year.

In the seminary the principles and methods of education which bear most directly on the selection and teaching of the school curriculum are considered. For members of the seminary who prove to be qualified, opportunities will be afforded for practice in teaching individual children or small groups of Model School pupils who may require special instruction. Observation of classes in the Model School and elsewhere will be part of the required work.

Dr. Rand offers in each year the following graduate seminary:

Seminary in Applied Psychology.

Two hours a week throughout the year.

Laboratory Work.

Four hours a week throughout the year.

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults, adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests, their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reaction to the tests as well as practice in giving the tests. Later the work will be with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Special Laboratory Problems in Applied Psychology.

Four hours a week throughout the year.

This course is offered in connection with the course in Applied Psychology to students who wish to pursue more advanced work.

The following advanced undergraduate courses are offered to students in the department:

Dr. Kingsbury offers in each year the following post-major courses, open to graduate students:

Social Betterment.

Two hours a week throughout the year.

This course presents the principles and methods used in the Charity Organization Society and the principles of case work are carefully considered and various case records both from the Charity Organizations Society and from Home Service experiences are studied in the class. Opportunity to attend case conferences are offered to the students, and observation excursions made to various social institutions and agencies of Philadelphia and the surrounding country. The course includes a survey of the origin, growth, and present methods of the most important social service and social welfare organizations in order to acquaint the student with the fields of activity in which social work is being carried on: (1) social education, through settlements, civic centres or other neighbourhood organizations; (2) improvements of industrial conditions, through associations for labour legislation, labour organizations, or consumers' efforts; (3) vocational guidance, through vocational advising, through placement, or through adjustment of employment; (4) child welfare, through societies for care and protection of children; (5) family care, through organizations for the reduction and prevention of poverty; (6) social guardianship, through the probation work in the juvenile courts or corrective institutions.

This course is open to students who have attended or are attending courses equivalent to the course in Minor Economics or in General Psychology.

Record Keeping and Social Investigation.

Two hours a week during the second semester.

The object of the course is to acquaint the student with the principles and methods of record keeping and filing which are applicable to municipal, state, and federal offices, to business organizations, and to social organizations and investigation, and with the methods of securing, analyzing, interpreting and presenting social data. The best systems in use will be analyzed and studied. Preparation of the various types of schedules, tabulation of information secured, and the formulation of tables are among the subjects considered. The course concludes with a critical study of the methods used in social economic investigations, of sources of social statistical information, and of reports by federal and state departments and by private organizations. This course must be accompanied by the course in Elements of Statistics.

Miss Bezanson offers in each year the following free elective course, open to graduate students:

Elements of Statistics.

One hour a week throughout the year.

This course deals with the elementary principles of statistics and their application. Among the topics are the array, frequency distributions, averages, measures of variation, probability and theory of errors, theory of sampling, index numbers, logarithmic curves, graphic methods, comparisons, and the elements of linear correlation.

The course is recommended to students of social economy and of economics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

Dr. Marion Parris Smith offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

American Economic and Social Problems.

Two hours a week throughout the year.

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban population; immigration, the race problem; the development of city life; the problems of country life; problems of food distribution and marketing, cost of living, etc. Special topics are assigned to students for reports and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in 1919-20* and again in 1921-22 the following post-major course, open to graduate students:

Economic and Social Legislation in England and America since 1890.

Three hours a week throughout the year.

The first semester is devoted to a review of recent English legislation dealing with trade unions, workmen's compensation, minimum wage, the sweated trades, old age pensions, unemployed, child-welfare, and the land system. In the second semester American legislation on these subjects is reviewed, as well as recent Anti-Trust legislation. Special topics are assigned to students for reports, and attention is given to the use of original source material.

Dr. Marion Parris Smith* offers in each year the following major course, open to graduate students:

History of Economic Thought and Recent Economic Problems.

Five hours a week during the second semester.

The course is divided into two parts: Part I aims to give students an historical introduction as a basis for a critical study of modern economic problems. The students read in connection with this section parts of Adam Smith's *Wealth of Nation*; Ricardo's *Principles of Political Economy and Tazation*; Malthus's *Principles of Population*; and selections from the writings of John Stuart Mill, Jevons, Wicksteed, Boehm-Bawerk, and Pantaleoni.

In part II certain modern economic problems are considered in some detail: distribution under socialism, co-operation, profit sharing, the minimum wage, the eight-hour day, tax reforms, price fixing, etc. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

Dr. Fenwick offers in each year the following major course, open to graduate students:

Present Political Problems.

Five hours a week during the first semester.

The object of this course is to present the chief political problems that have arisen in recent years. The study of practical problems is preceded by a study of theories relating to the origin and nature of the state, its end or object, and the proper sphere of state activities, under which last heading the various theories of individualism, liberalism, and socialism will be studied. Modern reforms in federal, state, and city government are next studied, and particular stress is laid upon the extension of federal power in the United States and the relation between the Fourteenth Amendment and modern social and economic legislation adopted in the exercise of the police powers of the several states.

* See footnote, page 81.

Dr. Fenwick offers in each year the following free elective course, open to graduate students:

Elements of Private Law.

One hour a week throughout the year.

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of Procedure. The lectures are supplemented by a study and discussion of judicial decisions bearing on the subject.

Dr. Rand offers in each year the following major course, open to graduate students:

Applied Psychology.

Five hours a week during the second semester.

The specific applications of psychology form the subject matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of mental equipment and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered. Four hours a week of laboratory work is required from students taking the course. A knowledge of psychology equivalent to that obtained in the minor experimental course is presupposed.

Dr. Ferree and Dr. Rand offer in each year the following minor course:

Experimental Psychology.

Five hours a week during the first semester.

Laboratory Work.

Four hours a week during the first semester.

(Open only to those students who have taken the required course in psychology or its equivalent.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. Especial stress is laid on the comparative study of method. The laboratory work consists of individual practice in selected topics.

Dr. Grace de Laguna offers in 1918-19 and Dr. Sabin offers in 1919-20 the following minor course, open to graduate students:

Elementary Logic and Ethics.

Five hours a week during the second semester.

The equivalent of two hours a week for a semester is devoted to logic and the remainder to ethics. The instruction in logic covers the topics of definition, classification, the interpretation of propositions, the syllogism, the inductive methods, analogy and the use of hypotheses. In the lectures on ethics special attention will be given to the relations between moral standards and the persistent and developing requirements of social organization.

Dr. Leuba offers in each year the following major course, open to graduate students:

Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Ethics, Science and Art.

Five hours a week during the first semester.

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a community, a crowd, a clique, an industrial trust, do not behave as the individuals composing them would behave if they acted independently.

For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. The social institutions magic, religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This is an historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. Grace Mead Andrus de Laguna, Associate Professor of Philosophy, and Dr. Ethel Ernestine Sabin, Associate in Philosophy.

GRADUATE COURSES.

A seminary in logic and metaphysics is offered each year and a seminary in ethics and one in the history of philosophy are offered in alternate years. The subjects of study are changed from year to year through a cycle of four years. A seminary in social and political philosophy is offered in the second semester of each year. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Theodore de Laguna conducts in alternate years the following graduate seminary:

Ethical Seminary.

Two hours a week throughout the year.

In 1919-20 the subject will be Recent French Ethics: Durkheim, Levy-Bruhl, Fouillé, Belot, and Paulhan.

In 1921-22 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticized by Green, Sorley, Huxley, Pringle-Pattison, and Rashdall, will be the subject of the seminary. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

Dr. Grace de Laguna conducts in alternate years the following graduate seminary:

Seminary in Logic and Metaphysics.

Two hours a week throughout the year.

In 1919-20 the Nature of Consciousness will be the subject of the seminary. During the first semester the psychophysical aspect is examined and during the second semester the epistemological aspect.

In 1921-22 Contemporary Realism as represented by Moore, Russell, Alexander, Perry, McGilvary, and Fullerton will be the subject of the seminary.

Dr. Theodore de Laguna conducts in alternate years the following graduate seminary:

Seminary in Logic and Metaphysics.

Two hours a week throughout the year.

In 1918-19 the philosophy of Plato is discussed in the seminary. Special attention is paid to the earlier dialogues, to the development of the theory of ideas and the relation of this theory to the teachings and method of Socrates.

In 1920-21 Inductive and Genetic logic will be the subject of the seminary. The theories of Sigwart, Wundt, Bradley, Bosanquet, Dewey, and Baldwin are the basis of investigation.

Dr. Sabin conducts in alternate years the following graduate seminary:

Seminary in the History of Philosophy.

Two hours a week throughout the year.

In 1918-19 Descartes and Spinoza are studied with special reference to their view of the relation between idea and object.

In 1920-21 the philosophy of Kant will be the subject of the seminary. The principal writings of the critical period are read and a careful study is made of the final organization of Kant's system in the *Critique of Judgment*.

Dr. Theodore de Laguna offers in each year the following graduate seminary:

Seminary in Social and Political Philosophy.

Two hours a week during the second semester.

The topics chosen for discussion will vary from year to year. Prominent among them will be: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education.

This seminary may be elected separately, or may be combined with the seminary in Social Psychology, given two hours a week during the first semester, as a seminary for students in the Department of Social Economy and Social Research.

Dr. Theodore de Laguna, Dr. Grace de Laguna, and Dr. Sabin conduct in each year the philosophical journal club.

Philosophical Journal Club.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

The following advanced undergraduate courses may be attended by graduate students:

Dr. Theodore de Laguna offers in each year the following minor and major courses:

History of Philosophy.

Five hours a week during the first semester.

Ancient philosophy is very briefly treated. The greater part of the course is devoted to the discussion of selections from the principal writings of Bacon, Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume.

Recent Philosophical Tendencies.

Five hours a week during the second semester.

This course includes a discussion of such theories as pragmatism, idealism, neo-realism, etc.

Dr. Sabin offers in each year the following major course:

From Kant to Spencer.

Five hours a week during the first semester.

The course is principally occupied with the development of the post-Kantian idealism, and with the naturalistic systems of Comte, J. S. Mill, and Spencer.

Dr. Grace de Laguna offers in 1918-19 and Dr. Sabin offers in 1919-20 the following minor course:

Elementary Logic and Ethics.

Five hours a week during the second semester.

The equivalent of two hours a week for a semester is devoted to logic and the remainder to ethics. The instruction in logic covers the topics of definition, classification, the interpretation of propositions, the syllogism, the inductive methods, analogy and the use of hypotheses. In the lectures on ethics special attention is given to the relations between moral standards and the persistent and developing requirements of social organization.

Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Applied Psychology, and Dr. Ethel Ernestine Sabin, Associate in Philosophy, Miss Mary Ruth Almack, Assistant Demonstrator in Experimental Psychology, and Miss Istar Alida Haupt, Assistant Demonstrator in Applied Psychology.

GRADUATE COURSES.

Twelve hours of graduate lectures and seminary work are offered in each year in addition to the direction of private reading and original research. Ten hours a week of advanced undergraduate courses are also open to graduate students. The laboratories of experimental psychology are open for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

Dr. Leuba offers in each year the following graduate seminaries:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: instinct, feeling and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology, arrested mental development, and its social and educational implications, etc.); animal behaviour.

Seminary in Social Psychology.*Two hours a week during the first semester.*

In 1918-19 and again in 1920-21 the principles of social psychology and their applications to social problems are the subject of the seminary.

In 1919-20 and again in 1921-22 abnormal psychology, chiefly mental deficiency, and its social implications, or temperament and character and their instinctive and emotional foundation will be studied.

This seminary together with the seminary in Social Philosophy, given in the second semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Dr. Ferree offers in each year the following graduate seminary:**Seminary in Experimental and Systematic Psychology.***Three hours a week throughout the year.*

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics; sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Laboratory Work.

The laboratory work consists of individual practice and research.

Dr. Ferree and Dr. Rand offer in each year the following seminary:**Seminary in Research Methods and Problems.***Three hours a week throughout the year.*

The object of this seminary is to give training in research. In addition to the work in the laboratory supplementary reading, reports and discussions are required. In special cases the course may be elected for a greater number of hours.

Dr. Rand conducts in each year the following seminary:**Seminary in Applied Psychology.***Two hours a week throughout the year.***Laboratory Work.***Four hours a week throughout the year.*

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults and adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests and their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reactions to the tests as well as practice in giving the tests. Later the work is with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Special Laboratory Problems in Applied Psychology.

Four hours a week throughout the year.

This course is offered to students who have attended the seminary in Applied Psychology and wish to pursue more advanced work.

Dr. Leuba, Dr. Ferree and Dr. Rand together conduct in each year the psychological journal club.

Psychological Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

The following advanced undergraduate courses may be attended by graduate students:

Dr. Leuba offers in each year the following major and minor courses:

Social Psychology: The Psychology of Group Life and the Origin and the Nature of Magic, Religion, Ethics, Science and Art.

Five hours a week during the first semester

Psychology has so far been concerned almost exclusively with individuals, human or animal, normal or abnormal. But a community, a crowd, an industrial trust, do not behave as the individuals composing them would behave if they acted independently. For this reason the study of the laws of social interrelation and of social action has become a separate branch of psychology. Religion, ethics, science, art, industry, and commerce are the most important forms which social life has assumed in the course of human development.

The Psychology of Instinct and Emotion, and Animal Behaviour.

Five hours a week during the second semester.

Although the course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

Dr. Ferree and Dr. Rand offer in each year the following minor course:

Experimental Psychology.

Five hours a week during the first semester.

Laboratory Work.

Four hours a week during the first semester.

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. Especial stress is laid on the comparative study of methods. The laboratory work consists of individual practice.

Dr. Ferree offers in each year the following elective course:

Advanced Experimental Psychology.

Two hours a week throughout the year.

This course consists of five hours laboratory work a week, the students being assigned problems to investigate.

Dr. Rand offers in each year the following major course:

Applied Psychology.

Five hours a week during the second semester.

Laboratory Work.

Four hours a week throughout the second semester.

The specific applications of psychology form the subject matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of mental equipment and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered.

Education.

This Department is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.

The instruction in Education is under the direction of Dr. Matilde Castro, Professor of Education and Director of the Phebe Anna Thorne Model School, Professor James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Professor of Experimental Psychology and Director of the Psychological Laboratory, and Dr. Ada Hart Arlitt, Associate in Educational Psychology.

The work of the Department of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College only. Graduates of other colleges receive diplomas certifying to the work that they have taken in the Graduate Department of Education. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne Model School.

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate

Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. The Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted at ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven years' school course based on the soundest available theory and practice of teaching to be found in this country or abroad. Wherever a new method of teaching a subject is known to have succeeded it will be studied and introduced into the model school and the results on the pupils of different methods of teaching the same subjects will be tested and compared. It is believed that the opportunity thus afforded of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

In addition to two seminars in education, and a seminar in the study of children and in educational psychology there are offered in each year observation classes in the Phebe Anna Thorne Model School and courses in systematic and experimental psychology recommended to students of education. Students electing education as their major subject for the degree of Doctor of Philosophy must elect educational psychology as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Dr. Castro offers in 1918-19 and in each succeeding year the following graduate seminars:

Seminary in Educational Methods and Measurements.

Two hours a week throughout the year.

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Educational Psychology. *Three hours a week throughout the year.*

The seminary considers the main categories of educational psychology and studies especially the psychology of school and high school subjects. If the student's training in

psychology has been inadequate she is required to take the seminary in Educational Methods and Measurements either as a preliminary seminary or by special permission at the same time.

Seminary in Social Education.

Two hours a week during the first semester.

The essentials of educational theory and practice for social workers are studied in this seminary.

The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied are the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study is used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Dr. Arlitt offers in each year the following graduate seminary:

Seminary in Intelligence Tests.

Two hours a week throughout the year.

Laboratory Work in Intelligence Tests. *Four hours a week throughout the year.*

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Dr. Castro and Dr. Arlitt together conduct the journal club.

Journal Club in Education.

Two hours once a fortnight throughout the year.

The advanced students meet with the instructors once a fortnight to hear or read reports on the literature of the subject.

In addition to the above courses the following courses in education and in other departments are adapted to the needs of graduate students in the department of education:

Dr. Castro gives in each year the following undergraduate course, open to graduate students:

Education.

Two hours a week throughout the year.

The course interprets modern educational problems from the standpoint of their social setting; develops the psychological principles underlying the technique of teaching and demonstrates their application; sketches the mental, moral, and physical development of children from infancy through adolescence; and discusses the treatment of children individually and in groups in school and extra-school activities.

It is conducted as a general survey course covering the subject-matter indicated, or various topics are stressed and studied more intensively according as the interests of the class vary from teaching to social work or to a more general interest in educational problems.

Dr. Arlitt offers in 1918-19 and in each succeeding year the following undergraduate course, open to graduate students:

Experimental Educational Psychology. *Three hours a week throughout the year.*

Laboratory Work.

Two hours a week throughout the year.

In the first semester a study is made of sensori-motor learning, perceptual learning, and learning of the problem-solving type. Particular emphasis is laid on the conditions and methods of efficient study and on the training of memory.

In the second semester the course takes up the study of school subjects from the point of view of laboratory experimentation and a survey of the field of group and individual tests and educational scales and measurements.

Dr. Ferree offers in each year the following graduate seminary:

Seminary in Experimental and Systematic Psychology.

Three hours a week throughout the year.

This seminary is intended for graduate students who have already taken a course in experimental psychology and gives a systematic presentation of the literature of experimental psychology. Due consideration, however, is paid to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Dr. Ferree offers in each year the following undergraduate course, open to graduate students:

Experimental Psychology.

Five hours a week during the first semester.

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. Four hours a week of laboratory work are required in connection with this course.

Mr. King offers in each year the following graduate course:

English Enunciation.

One hour once a fortnight throughout the year.

Classical Archæology.

The instruction in this department is under the direction of Dr. Joseph Clark Hoppin, Professor of Classical Archæology, Dr. Rhys Carpenter,* Associate Professor and Professor (elect) of Classical Archæology and Dr. Mary Hamilton Swindler, Instructor in Latin and Archæology.

An archæological seminary of two hours a week and a graduate course of one hour a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week, affording a complete series of instruction in the various branches of classical archæology. It is recommended that those who elect archæology as a major subject should offer the general course in Archæology, Ancient Athens, and Ancient Rome, or the courses in Greek Sculpture, and Art and Life in Hellenistic Towns during their first year,

* Granted leave of absence for 1917-19 for military service.

reserving for their second year the courses on Ancient Architecture, Ancient Painting and Vases, Greek and Roman Minor Arts, Ancient Egypt and Crete.

All the undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison.

GRADUATE COURSES.

A seminary in archæology and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Hoppin conducts in 1918-19 and Dr. Carpenter will conduct in 1919-20 and succeeding years the following graduate seminary:

Archæological Seminary.

Two hours a week throughout the year.

This course is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1918-19 fifth century Greek sculpture is the subject of the seminary in the first semester, and fifth century Greek vases in the second semester.

In 1919-20 Greek minor arts (coins, gems, terra-cotta) will be studied.

In 1920-21 Greek Architecture will be studied in the first semester, and Roman architecture in the second semester.

Dr. Swindler offers in each year the following graduate courses:

Ægæan Archæology with emphasis on the recent discoveries in Crete.

Two hours a week during the first semester.

Ancient Painting.

Two hours a week during the second semester.

The work includes a detailed survey of Cretan frescoes, painted plaques, stelæ, and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration and the mummy portraits from the Fayûm.

Dr. Hoppin, Dr. Carpenter* and Dr. Swindler together conduct in each year the archæological journal club:

* See footnote, page 105.

Archæological Journal Club. *One and a half hours a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

The following undergraduate courses may be attended by graduate students:

Dr. Hoppin offers in 1918-19 the following minor and major courses:

General Archæology.

Three hours a week throughout the year.

The course is an introduction to the study of classical archæology. It is general in its treatment and includes architecture, sculpture, vases, coins, gems, bronzes, toreutics and terra-cottas, omitting epigraphy and topography.

Topography and Monuments of Ancient Athens.

Two hours a week during the first semester.

The course discusses the various existing monuments of Ancient Athens and the recent excavations.

Ancient Egypt.

Three hours a week during the first semester.

The course deals with the history and art of Ancient Egypt down to the Roman period, especial attention being given to architecture and painting.

Crete and Prehistoric Greece.

Three hours a week during the second semester.

In the course a careful analysis is given of the Minoan civilization of Crete and the Mycænæan civilization of the Greek mainland, as illustrated by the existing monuments. The Homeric poems are discussed in so far as they are related to the period.

Ancient Architecture.

Two hours a week during the second semester.

An introductory outline of Egyptian, Cretan, and Mycænæan building is followed by a detailed study of the principles and practice of architecture in Greece and Rome.

Dr. Carpenter offers in 1919-20 and in each succeeding year the following minor and major courses open to graduate students:

Greek Sculpture.

Three hours a week throughout the year.

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

Art and Life in Hellenistic Towns.

Two hours a week during the first semester.

A reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination.

Ancient Architecture.

Three hours a week throughout the year.

An introductory outline of Egyptian, Cretan, and Mycænæan building is followed by a detailed study of the principles and practice of architecture in Greece and Rome. The course ends with a brief survey of Byzantine, Renaissance, and present-day classical styles. Emphasis is laid on architectural evolution and its connection with the civilization of the times.

Greek and Roman Minor Arts.

Two hours a week during the second semester.

The course treats of Greek and Roman bronze statuettes, terra-cotta figurines, coins, gems, jewelry, silverware, and similar objects, mainly for their artistic and cultural interest. The first six lectures deal with Cretan and Mycænæan art. This course supplements that on Greek vase-painting given in the first semester.

Dr Wright offers in each year the following free elective courses, open to graduate students:

Greek Religion and Greek Myths. *Two hours a week during the first semester.*

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology, and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths. This course may be offered as part of the minor course in Classical Archæology.

Literary Geography of Greece and Asia Minor.

Two hours a week during the second semester.

This course traces not only the literary legends of famous sites such as Athens, Thebes, Troy and Constantinople, but also their political history. It may be offered as part of the minor course in Classical Archæology.

Dr. Swindler offers in each year the following minor and major courses:

Ancient Painting and Vases. *Two hours a week during the first semester.*

The course traces the development of ancient painting. It further forms an introduction to the mythology and daily life of Greece, through the study of designs on Greek vases.

Ancient Rome. *Two hours a week during the second semester.*

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended both as an archæological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

This course supplements that on Ancient Athens given in the first semester.

History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King,* Professor of the History of Art, and Miss Helen Fernald, Instructor and Demonstrator in the History of Art.

GRADUATE COURSES.

A seminary in History of Art of two hours a week throughout the year is offered to graduate students who have done elementary work in history of art.

In addition to the graduate seminary announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of the Academic Council.

* Granted leave of absence for the year 1919-20. The courses announced by Professor King will be given during her absence by an instructor whose appointment will be announced later.

In 1918-19 the subject is Modern Art from the commencement of the romantic movements to the contemporary theories. Students are expected to be familiar already with the Old Masters, and to read French and German. Arrangements will be made for trips to Philadelphia and New York to study new pictures.

In 1919-20 the subject of the seminary will be the Spanish Primitives.

In 1920-21 the subject will be Spanish Painting after 1550.

In 1921-22 the subject will be the Theory and Practice of Connoisseurship. The Morelian method will be examined and appraised, the value of documentary evidence discussed, and the different conditions affecting the study of different schools considered. Students will have access to a large collection of photographs and several private collections of paintings.

Journal Club in Modern Art.

Two hours once a fortnight throughout the year.

The following undergraduate courses may be attended by graduate students:

Miss King* offers each year the following minor and major courses:

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century. *Three hours a week throughout the year.*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Gothic Architecture.

Two hours a week throughout the year.

The first semester is devoted to Romanesque and pointed architecture in Italy and Germany, with special attention to the introduction of Gothic into Italy by the Cistercians, and the second semester to the development of Gothic in France and Spain with parallels from English ecclesiastical architecture. The course is illustrated with photographs and lantern slides.

Renaissance Sculpture.

Two hours a week throughout the year.

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the finishing of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion. The course is illustrated with photographs and lantern slides.

Miss Fernald offers in each year the following major and elective courses:

Painting in the Seventeenth and Eighteenth Centuries.

Three hours a week throughout the year.

In the first semester the Flemish, Dutch, and German painters are studied, in the second semester the French, Spanish, and English. The course is illustrated with photographs and lantern slides.

Chinese and Japanese Art.

Two hours a week throughout the year.

The course deals with the Art of China and Japan, especially painting, with emphasis upon the work of the Zen painters, of Sesshiu and his followers, of the Kano and Korin schools, and the school of Japanese colour prints. It is illustrated with photographs and reproductions, also some originals.

* See footnote, page 108.

Miss King offers in 1918-19 the following free elective course, open to graduate students:

Renaissance Architecture.

Two hours a week throughout the year.

The architecture of the Italian Renaissance is studied in the first semester, that of France, Germany, Spain and England in the second semester. Lantern slides and photographs are used for illustration.

Miss King offers in 1920-21 the following free elective course, open to graduate students:

Minor Arts of the Middle Ages.

Two hours a week throughout the year.

The lectures deal, in succession, with ivories, miniatures, enamels, stained glass, metal work, wood-carving and architectural sculpture, from the decline of Roman art until the beginning of the Renaissance. Photographs and other reproductions are provided for study and reference is made to pieces in museums and other collections accessible during the college year and in vacations. Students electing the course are expected to read at least one foreign language.

POST-MAJOR COURSES.

Miss King offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Spanish Painting.

Three hours a week throughout the year.

This course is open only to students who have completed the minor and major work in history of art, or an equivalent course. The sources and development of Spanish painting are considered from the early miniature painters down to living painters. Students are expected to learn something about the Spanish character and history and to make short trips to see paintings on exhibition in America.

Miss King* offers in 1919-20 and again in 1921-22 the following post-major course, open to graduate students:

Modern Painting.

Three hours a week throughout the year.

This course is open only to students who have completed the minor and major work in history of art or its equivalent. It deals with the history of painting since 1800 and comes down to the present year. Students are expected to make trips to Philadelphia and the neighbourhood to study pictures as often as may seem necessary.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. Anna Pell, Associate Professor of Mathematics.

GRADUATE COURSES.

The graduate courses consist of lectures and seminary work supplemented by private reading under the direction of the instructors, the courses being arranged each year with reference to the wishes and degree of preparation of the students concerned. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved

* See footnote, page 108.

independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Scott offers in 1918-19 the following graduate seminary:

Geometry on a Curve and Linear Systems of Curves.

Two hours a week throughout the year.

The work follows the Italian treatment of the subject rather than the German; but the seminary is arranged so that the most important part of the Clebsch-Lindemann exposition may profitably be read in connection with the lectures.

Dr. Scott offers in 1919-20 the following graduate seminary:

Theory of Surfaces and Space Curves. *Two hours a week throughout the year.*

The subject will be treated from the projective (analytical) point of view without any consideration of the development of differential geometry.

Dr. Scott offers in 1920-21 the following graduate seminary:

Topology of Plane Algebraic Curves. *Two hours a week throughout the year.*

Dr. Pell offers in 1918-19 the following graduate seminary:

Theory of Integral Equations. *Two hours a week throughout the year.*

The classical theories of Volterra, Fredholm, Hilbert and Schmidt are studied. The theory is applied to boundary-value problems in linear differential equations. In the latter part of the course, either Volterra's theory of functions of lines, or the theory of linear equations in infinitely many unknowns is given.

Dr. Pell offers in 1919-20 the following graduate seminary:

Theory of Functions. *Two hours a week throughout the year.*

Either the theory of functions of a complex variable including such topics as Riemann surfaces and elliptic functions, or the theory of functions of a real variable including the theory of Stieltjes and Lebesgue integrals will be given. The choice will depend on the need of the students electing the seminary.

Dr. Pell offers in 1920-21 the following graduate seminary:

Theory of Linear Differential Equations.

Two hours a week throughout the year.

Dr. Scott and Dr. Pell together conduct the journal club.

Mathematical Journal Club.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and advanced work. They deal, therefore, with the subjects of the major courses carried to higher developments and treated by higher methods. As the order of mathematical studies differs in different colleges, graduate students frequently find it advisable to devote a part of their time to these courses.

Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to five hours a week. The courses given are the following with occasional modifications:

Dr. Scott offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Special Topics in Geometry.

Two hours a week throughout the year.

Lectures on special topics in geometry, such as homogeneous coordinates, circular coordinates, families of curves, certain transcendental curves, geometrical transformations, etc.

Dr. Scott offers in 1919-20 the following post-major course, open to graduate students:

Lectures on Modern Pure Geometry.

Two hours a week throughout the year.

Dr. Scott offers in 1921-22 the following post-major course, open to graduate students:

Modern Analytical Geometry.

Two hours a week throughout the year.

Lectures introductory to modern analytical geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

Dr. Pell offers in 1918-19 the following post-major courses, open to graduate students:

General Course in Analysis.

Two hours a week throughout the year.

This course deals with the development of subjects such as determinants, infinite series, Fourier series, definite integrals, etc.

Calculus of Finite Differences and Theory of Probabilities.

One hour a week throughout the year.

Dr. Pell offers in 1919-20 the following post-major courses, open to graduate students:

Theory of Functions of a Complex Variable.

Two hours a week throughout the year.

Differential Equations, Ordinary and Partial.

One hour a week throughout the year.

Dr. Pell offers in 1920-21 the following post-major courses, open to graduate students:

Lectures Introductory to Modern Algebra.

Two hours a week throughout the year.

The properties of polynomials, linear dependence, elimination, transformations, invariants, and canonical forms are discussed.

Elementary Theory of Numbers.

One hour a week throughout the year.

FREE ELECTIVE COURSES.

Dr. Scott offers in 1918-19 and again in 1920-21 the following free elective course, open to graduate students:

Graphic Mathematics.

One hour a week throughout the year.

The course deals with statistical work, probability, and theory of errors. It is recommended to students of economics as well as to students of physics. No knowledge of mathematics beyond the requirement for matriculation is presupposed.

Dr. Scott offers in 1919-20 and again in 1921-22 the following free elective course, open to graduate students:

Fundamental Theorems of Algebra and Geometry.

One hour a week throughout the year.

Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirement for matriculation is presupposed. It is hoped that the work will prove useful to those intending to teach elementary mathematics.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom, Dr. William B. Huff,* Dr. David Hilt Tennent, Dr. James Barnes, Dr. Roger Frederic Brunel, Dr. James Llewellyn Crenshaw,† Dr. Florence Peebles, Miss Edith Hamilton Lanman, Mr. Malcolm Havens Bissell, Miss Sue Avis Blake, Miss Harriet Hobbs, Miss Nora May Mohler, Miss Mary Jane Guthrie, and Miss Hope Hibbard.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones for advanced and special work, a special room for physical chemistry, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purpose of instruction and research, and is

* Granted leave of absence for 1918-19.

† Granted leave of absence for 1917-19 on war service.

increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

The geological department is equipped with large collections of minerals, rocks, and fossils, a carefully selected library, and laboratories furnished with maps, models, charts, lantern slides, petrologic microscopes, goniometers, and other apparatus necessary for work in undergraduate and graduate courses.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

The physical laboratories are carefully furnished with the apparatus necessary for thorough work.

Graduate work in the natural sciences is highly specialized, and consists of laboratory work, private reading, and special investigations pursued by the student under the guidance of the instructors.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff,* Professor of Physics, Dr. James Barnes, Professor of Physics, and Miss Sue Avis Blake, Instructor in Physics, and Miss Nora May Mohler, Demonstrator in Physics.

GRADUATE COURSES.

The graduate seminars consist of lectures, laboratory work, and original research under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

In 1918-19 the following graduate seminars are offered:

Radioactivity and Discharge of Electricity through Gases.

Three hours a week during the first semester.

The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge

* Granted leave of absence for the year 1918-19.

to the mass follows. After a study of the phenomena of electrical discharge and of radio-activity a brief account of theories is given.

Electron Theory.

Three hours a week during the second semester.

The mathematical development of the subject is presented in the lectures, with special reference to experimental tests of theory.

Dr. Huff offers in 1920-21 the following graduate seminary:
Mathematical Theory of Electricity and Magnetism.

Three hours a week throughout the year.

The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

Dr. Barnes offers in 1919-20 the following graduate seminary:

Physical Optics.

Three hours a week throughout the year.

This course gives a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the lecture course.

Dr. Barnes offers in 1921-22 the following graduate seminary:

Thermo-dynamics and Radiation.

Three hours a week throughout the year.

The modern developments of thermo-dynamics and radiation including X-rays and photo-electricity are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

In each year Dr. Huff and Dr. Barnes together conduct the journal club, and the laboratory work.

Physical Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory work.

The laboratory work is arranged for the purpose of familiarizing the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

POST-MAJOR COURSES.

Dr. Huff offers in 1919-20 the following post-major courses, open to graduate students:

Properties of Matter.

Three hours a week during the first semester.

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed

and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound.

Three hours a week during the second semester.

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Dr. Huff offers in 1921-22 the following post-major course, open to graduate students:

Electricity and Magnetism.

Three hours a week throughout the year.

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Dr. Barnes offers in 1918-19 the following post-major courses, open to graduate students:

Spectroscopy.

Three hours a week during the first semester.

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Astrophysics.

Three hours a week during the second semester.

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Selected chapters in Moulton's *Celestial Mechanics* and many papers from the *Astrophysical Journal* will be read and discussed.

Dr. Barnes offers in 1920-21 the following post-major course, open to graduate students:

General Optics.

Three hours a week throughout the year.

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

FREE ELECTIVE COURSES.

Dr. Huff offers in 1919-20 the following free elective course, open to graduate students:

Historical Development of Physics.

One hour a week throughout the year.

The work of this course consists of lectures, required reading, and class-room discussions. The lectures give an elementary presentation of some of the more important ideas and results of physics. The reading is intended to supplement the lectures and to provide additional material for general discussion. The course is open to students who have taken a minor course in science or its equivalent.

Dr. Huff offers in 1920-21 the following free elective course, open to graduate students:

Physical Basis of Music.

One hour a week throughout the year.

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading will be assigned.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Associate Professor of Chemistry, Dr. James Llewellyn Crenshaw,* Associate in Physical Chemistry, Miss Edith Hamilton Lanman, Instructor in Chemistry, and Miss Harriet Hobbs, Demonstrator in Chemistry.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialize either in organic chemistry under the direction of Dr. Brunel, or in physical or inorganic chemistry under the direction of Dr. Crenshaw, but students who elect organic chemistry as the major subject of examination must take physical chemistry as the associated minor, and students who elect physical chemistry as the major subject, must take organic chemistry as the associated minor.

No undergraduates are admitted to graduate courses.

Dr. Brunel offers in each year the following graduate seminary:

Chemical Seminary, Organic Chemistry. *One hour a week throughout the year.*

This seminary is intended primarily for students who are carrying on research in organic chemistry, and consists of reports on assigned topics which are usually related to the research in which the student is engaged.

Dr. Crenshaw* offers in each year the following graduate seminary:

* See footnote, page 113.

Chemical Seminary, Inorganic Chemistry.

One hour a week throughout the year.

The work of the seminary consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Dr. Brunel offers in each year the following graduate course:

Advanced Organic Chemistry.

One hour a week throughout the year.

Lectures, reading, and occasional reports cover the historical developments and present status of subjects of current interest. In the year 1919-20 a considerable part of the time will be spent upon the carbohydrates.

Students counting this course as the equivalent of a seminary are required to do enough laboratory work, to make the work of the course occupy fourteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem to investigate.

Dr. Crenshaw* offers in each year the following graduate course:

Physical Chemistry.

Two hours a week throughout the year.

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest. Students counting this course as the equivalent of a seminary will be required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The laboratory work will consist of physico-chemical research.

Dr. Brunel and Dr. Crenshaw* and Miss Lanman together conduct the journal club.

Chemical Journal Club.

One hour a week throughout the year.

The advanced students, with the instructors, meet to hear reports and discussions on recent scientific articles.

POST-MAJOR COURSES.

Dr. Brunel offers in each year the following post-major course, open to graduate students:

Organic Chemistry.

Two hours a week throughout the year.

The course consists of lectures, assigned reading with occasional reports, and laboratory. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week will be required, three hours' credit being given for the course. The laboratory work will consist of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

Dr. Crenshaw* offers in each year the following post-major course, open to graduate students:

Physical Chemistry.

Two hours a week throughout the year.

The aim of the lectures is to extend the student's knowledge of theoretical and physical chemistry and to lay a foundation for independent work in this subject. The lectures are

* See footnote, page 113.

intended to give a general outline of the subject, the following topics being discussed: fundamental theories of chemistry; the periodic classification; the corpuscular theory of matter; the laws of gases, liquids and solids; osmotic pressure and dilute solutions; colloidal solutions; thermochemistry; homogeneous and heterogeneous equilibria; chemical kinetics; electrochemistry; actinochemistry, and radiochemistry. The solution of a large number of problems will be required.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

Miss Lanman offers in 1918-19 and Dr. Crenshaw offers in 1919-20 the following post-major course, open to graduate students:

Inorganic Chemistry.

One hour a week throughout the year.

Selected topics in inorganic chemistry are discussed in detail and parallel reading is required. In the laboratory work of four and a half hours a week advanced quantitative analyses are included.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom, Professor of Geology and Mr. Malcolm Havens Bissell, Instructor in Geology.

The instruction offered in geology includes, in addition to the minor and major courses, three free elective courses of two hours and one hour a week, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminars of three hours a week.

Post-major courses in petrography or mineralogy, economic geology, stratigraphy, and paleontology are offered in each year, and are designed to train the student in exact methods for the determination of rock and mineral species, in the genesis of ores, and in the principles of stratigraphy and paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

GRADUATE COURSES.

The seminary in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and is intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate seminary in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate seminary in physiography is designed primarily for graduate students wishing to make physiography a major subject for the degree of Doctor of Philosophy. Further graduate seminars in petrology and physiography will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialize either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and physiography, under the direction of Mr. Bissell, but students who make inorganic geology the major subject of examination must take either physiographic geology, inorganic chemistry, or crystallography as the associated minor and students who elect physiographic geology as the major subject must take either inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

Dr. Bascom offers in each year the following graduate seminary:

Petrology and Crystallography.

Three hours a week throughout the year.

This seminary is conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology is dependent upon the needs of the individual students. In crystallography direction is given in crystal measurement with the two-circle goniometer, in crystal projection, and crystal drawing. The seminary involves as much laboratory work as the time of the student permits.

Mr. Bissell offers in each year the following graduate seminary:

Seminary in Physiography.

Three hours a week throughout the year.

A broad study of the physiographic cycle forms the basis of this course. The general principles governing the development of land forms are applied to various physiographic types, and the evolution of surface features under the control of climate and geologic structure is studied in considerable detail. This is followed by a study of definite regions illustrating the application of physiographic principles to problems of structural, economic and stratigraphical geology. Lectures, outside reading, reports, map work and field excursions are the methods of instruction. Research problems are taken up if time permits.

Dr. Bascom and Mr. Bissell together conduct the journal club.

Geological Journal Club.

Two hours once a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent investigations or recent geological literature.

POST-MAJOR COURSES.

Dr. Bascom offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Determinative Mineralogy.

Two hours a week throughout the year.

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis is placed on crystal form and practice is given in the use of the two-circle contact goniometer.

Dr. Bascom offers in 1919-20 and again in 1921-22 the following post-major course, open to graduate students:

Petrography.

Three hours a week throughout the year.

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the textures, constitution, origin, geographic distribution, and geologic associations of igneous rocks are treated; practice is given in the quantitative system of classification. Special field problems may be given to the students for independent solution.

Mr. Bissell offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Stratigraphy and Paleontology.

Three hours a week throughout the year.

The work of the first semester consists largely of lectures and outside reading, and is devoted to a thorough study of the principles of sedimentation. This is followed by a consideration of the laws governing the distribution of organisms in time and space.

In the second semester the lectures deal with the evolution of the continents and seas as shown by the record of the sedimentary rocks and their fossils. The successive formations of North America are studied in order, and ancient physiographic conditions deduced as accurately as possible. Particular attention is paid to the evolution of life through the different geological periods and the changes of environment controlling it. In the laboratory the typical fossils of each formation are studied, and the student is required to learn the guide fossils of the more important geological horizons.

Mr. Bissell offers in 1919-20 and again in 1921-22 the following post-major course, open to graduate students:

Economic Geology.

Two hours a week throughout the year.

The origin and geological occurrence of the useful minerals are treated in considerable detail, particular attention being given to the metallic ores.

FREE ELECTIVE COURSES.

Dr. Bascom offers in 1918-19 and again in 1920-21 the following free elective course, open to graduate students:

Cosmogony.

One hour a week throughout the year.

The work of the course is conducted by means of lectures, required reading, and classroom discussion. The lectures treat of the origin of the earth, the growth of the continents and the development of landscape, and are illustrated by lantern slides. Reading is assigned to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geologic research. It will be given only if elected by a sufficient number of students.

Mr. Bissell offers in 1918-19 the following free elective course, open to graduate students:

Economic Geology.

Two hours a week throughout the year.

Mr. Bissell offers in 1919-20 and again in 1921-22 the following free elective course, open to graduate students:

Mineral Resources of the World.

Two hours a week throughout the year.

The course consists of a non-technical discussion of the world's mineral resources: their nature, mode of occurrence, geographical distribution, extent and uses. The metallic ores are first discussed, particularly iron, copper, gold, silver, lead and zinc, but the rarer elements also receive attention. Among the non-metals, coal, oil and gas, and water supply are the most important topics treated. The emphasis throughout the course is placed mainly on the geographic, economic and political significance of mineral resources rather than the technical aspects, and particular attention is paid to the problems of the United States.

Mr. Bissell offers in 1920-21 and again in 1922-23 the following free elective course, open to graduate students:

Principles of Modern Geography.

Two hours a week throughout the year.

In this course the scope of the modern science of geography and the fundamental principles upon which it is based will be discussed and illustrated. The physical environment of man will be first considered, and the manner in which this environment has influenced the growth and expansion of races and nations, the development of systems of government and philosophy, and the rise of commerce and industry will then be illustrated. The logical sequence of cause and effect will be particularly emphasized, and every effort will be made to encourage independent thought on the part of the student. Considerable outside reading will be required.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Professor of Biology, Dr. Florence Peebles, Associate Professor of Physiology, and Miss Mary Jane Guthrie and Miss Hope Hibbard, Assistant Demonstrators in Biology.

GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialize either in morphology under the guidance of Dr. Tennent, or in physiology under the guidance of Dr. Peebles or in physiological chemistry. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Tennent offers in each year the following graduate seminary:

Seminary in Zoology.

Three hours a week throughout the year.

Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

In 1918-19 Embryology of Invertebrates is the subject of the seminary. The work includes a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

In 1919-20 Genetics is the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

In 1920-21 Cytology will be the subject of the seminary. The work deals with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms.

Dr. Peebles offers in each year the following graduate seminary:

Seminary in Physiology.

Three hours a week throughout the year.

In 1918-19 Internal Secretions is the subject of the seminary.

In 1919-20 Animal Instincts and Tropisms will be treated.

In 1920-21 the Development of Modern Physiology will be studied. The work consists of reports by the students and discussion of recent advances in the subject.

The following graduate seminary will be offered in 1919-20 if an instructor is appointed:

Seminary in Physiological Chemistry.

Three hours a week throughout the year.

Students taking this seminary are required to have a preparation in physiological chemistry at least equivalent to that given in the post-major course. Research work will be begun in the seminary.

Dr. Tennent and Dr. Peebles together conduct the journal club and the laboratory work.

Biological Journal Club.

One hour a week throughout the year.

The advanced students and the instructors meet for the discussion of topics of current biological literature.

Laboratory Work.

There is no regular course of laboratory instruction for graduates. Each student must devote a considerable portion of her time to such work and will be given a problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

POST-MAJOR COURSES.

Dr. Tennent offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Embryology of Vertebrates.

One hour a week throughout the year.

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with

theoretical questions of embryological interest. The department has material for the study of the development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick, and Pig. At least four hours of laboratory work are required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Dr. Tennent offers in 1919-20 and again in 1921-22 the following post-major courses, open to graduate students:

Protoplasm, the Cell, and Cytological Technique.

One hour a week during the first semester.

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation, and fertilization. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory work as a two-hour course.

Experimental Morphology.

One hour a week during the second semester.

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. This course is to be taken with four hours laboratory work as a two-hour course.

Dr. Peebles offers in 1918-19 and again in 1920-21 the following post-major course, open to graduate students:

Physiology of the Central Nervous System.

Two hours a week throughout the year.

This course consists of lectures and reports on assigned reading and laboratory work. A specific problem is taken up and studied by physiological methods. The lectures deal with the functions of the nervous system from a comparative standpoint.

Dr. Peebles offers in 1919-20 and again in 1921-22 the following post-major course, open to graduate students:

Physiology of Microorganisms.

Two hours a week throughout the year.

During the first semester the time is devoted to the study of yeasts, molds and bacteria. In the second semester problems of growth, cell division, regeneration and reproduction in Protozoa are treated. A specific problem is given to each student.

The following post-major course, open to graduate students will be offered in 1919-20 if an instructor is appointed:

Physiological Chemistry.

Three hours a week throughout the year.

This course consists of lectures and laboratory work. At least six and a half hours a week of laboratory work are required. The laboratory work includes a study of proteins, fats and carbohydrates. A preliminary training in chemistry at least equivalent to that obtained in the minor course is desirable.

Dr. Tennent and Dr. Peebles conduct laboratory work in connection with the above courses:

Laboratory Work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student

experience in the use of apparatus and in its adaptation to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

FREE ELECTIVE COURSE.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This is an historical course dealing with the development of the theories of biology. Special attention is given to theories of evolution and heredity. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. Bryn Mawr is connected with Philadelphia by frequent electric trains on the Pennsylvania Railroad and by an electric trolley running every twenty minutes. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and three large athletic fields.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

The Donors' Library, the gift of the friends, graduates, and students of the college, was begun in April, 1903, and completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British

Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side are the newspaper and magazine rooms. On the north side is the Art and Archæological Seminary, containing collections of photographs, vases, and coins. The main building contains the Stack, the New Book Room, Reference Book Room, the Carola Woerishoffer Memorial Room, the Reserved Book Room, the Christian Association Library, two professors' offices, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and thirty-one professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art and Archæology, French and Italian and Spanish, German, Semitic Languages, Philosophy and Education in the north wing; Mathematics, History, Economics, Carola Woerishoffer Department of Social Economy and Social Research, and Psychology in the south wing, where are also offices for the librarians and cataloguers. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. Professors' offices for the two senior professors in each department adjoin the seminary rooms. There are also a general lecture-room accommodating forty-two students, and three interview rooms. On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. On the first floor of the north wing the department of Education has an experimental research laboratory. The basement of the north wing contains another experimental laboratory of the department of Education, two interview rooms, a room for the Monograph Committee of the Faculty, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A. M.

till 10 P. M. and on Sundays from 2 P. M. till 10 P. M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the *alumnæ* and students.

The new gymnasium, erected on the site of the first gymnasium as a gift of the Athletic Association, the *alumnæ* and thirteen neighbours of the college, was completed in February, 1909. It is open to the students from 8 A. M. till 10 P. M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. The roof, 50 feet wide by 90 feet long, is used for gymnastic drills and students' entertainments. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the *alumnæ*, students, and friends of the college, and well supplied with apparatus for the teaching of swimming. The gymnasium is under the charge of a director and an assistant.

On the grounds, separated from other buildings, is the 1905 Infirmary. It was opened in October, 1913, with accommodation for patients and nurses, doctors' offices and consultation rooms, diet kitchens, bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

Plans and descriptions of Taylor Hall, Donors' Library, Dalton Hall, the Gymnasium, the 1905 Infirmary and the six halls of residence, are published in Part 4 of the Bryn Mawr College Calendar and may be obtained from the Secretary and Registrar of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East. There is a club-room for non-resident students in Rockefeller Hall and also rooms where the students can have hairdressing and dressmaking done.

The Phebe Anna Thorne Open Air Model School of the department of Education is situated on the campus and has its own school building with out-of-door class rooms and athletic ground.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils and every room in the college has separate thermostatic control. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees day and night in all the bathrooms and stationary wash-stands and tea pantries.

Telephone pay stations by means of which the students may be reached at any time are maintained in the library, gymnasium, infirmary and in each of the halls of residence. The Western Union Telegraph and Cable Company delivers telegrams between the hours of 6 A. M. and 12 P. M. Near the college there are a United States money-order office, two banks and an office of the American Railroad Express.

LIST OF DISSERTATIONS

PUBLISHED BY STUDENTS WHO HAVE OBTAINED THE DEGREE OF
DOCTOR OF PHILOSOPHY FROM BRYN MAWR COLLEGE.

- BARTLETT, HELEN. The Metrical Division of the Paris Psalter. 49+[1] p., O. Baltimore, The Friedenwald Company. 1896.
- BLISS, ELEANORA F., AND JONAS, ANNA I. Relation of the Wissahickon Mica-Gneiss to the Shenandoah Limestone and to the Octoraro Mica-Schist of the Doe Run-Avondale District, Coatesville, Quadrangle, Pennsylvania. 64 p., O. February, 1914.
- BORING, ALICE MIDDLETON. A Study of the Spermatogenesis of Twenty-two Species of the Membracidae, Jassidae, Cercopidae and Fulgoridae. p. 470-512, O. 9 pl. Baltimore. 1907.
Reprint from *Journal of Experimental Zoology*, vol. 4, No. 4.
- BOURLAND, CAROLINE BROWN. Boccaccio and the Decameron in Castilian and Catalan Literature. 233 p., O. 5 pl. New York, Paris, Mâcon, Protat Frères. 1905.
Reprint from *Revue Hispanique*, t. xii.
- BOWERMAN, HELEN COX. Roman Sacrificial Altars. An Archæological Study of Monuments in Rome. 101 p., O. 11 pl. Lancaster, Pa., The New Era Printing Co. 1913.
- BREED, MARY BIDWELL. The Polybasic Acids of Mesitylene. 31+[1] p., O. Baltimore, The Friedenwald Company. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 1.
- BUNTING, MARTHA. The Origin of the Sex Cells in Hydractinia and Podocoryne and the Development of Hydractinia. 34 p., O. Boston, Ginn and Company. 1894.
Revised reprint from *Journal of Morphology*, vol. 9, No. 2.
- BYRNES, ESTHER FUSSELL. The Maturation and Fertilization of the Egg of *Limax Agrestis* (Linné). p. 201-236+[1], O. Boston, Ginn and Company. The Athenæum Press. 1899.
Reprint from *Journal of Morphology*, vol. 16, No. 1.
- CLAFLIN, EDITH FRANCES. The Syntax of the Boeotian Dialect Inscriptions. 93 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1905.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 3.

COULTER, CORNELIA CATLIN. *Retractatio in the Ambrosian and Palatine Recensions of Plautus. A Study of the Persa, Poenulus, Pseudolus, Stichus, and Trinummus.* 118 p., O. Bryn Mawr, Pennsylvania. 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. x.

CUMMINGS, LOUISE DUFFIELD. *On a Method of Comparison for Triple-Systems.* p. 311-327, Q.

Reprint from *Transactions of the American Mathematical Society*, vol. 15, No. 3. July, 1914.

DARKOW, ANGELA CHARLOTTE. *The Spurious Speeches in the Lysianic Corpus.* 95 p., O. Bryn Mawr, Pennsylvania. 1917.

DUCKETT, ELEANOR SHIPLEY. *Studies in Ennius.* 78 p., O. Bryn Mawr, Pennsylvania. 1915.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xviii.

DUDLEY, LOUISE. *The Egyptian Elements in the Legend of the Body and Soul.* 179+[xi] p., O. Baltimore, printed by J. H. Furst Co. 1911.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. viii.

ELLIS, ELLEN DEBORAH. *Introduction to the History of Sugar as a Commodity.* 117 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. iv.

EMERY,* ANNIE CROSBY. *The Historical Present in Early Latin.* 120+[3] p., O. Ellsworth, Maine, Hancock Publishing Company. 1897.

EVERS, HELEN MARGARET. *Critical Edition of the Discours de la Vie de Pierre de Ronsard, par Claude Binet.* iv+190 p., O. Philadelphia, The John C. Winston Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ii.

FAHNESTOCK, EDITH. *A Study of the Sources and Composition of the Old French Lai D'Haveloc.* 138 p., O. Jamaica, Queensborough, New York, The Marion Press. 1915.

FOSTER, FRANCES ALLEN. *A Study of the Middle-English Poem Known as The Northern Passion.* vi+101 p., O. Richard Clay & Sons, Ltd., London and Bungay. 1914.

Reprint from *The Northern Passion*, vol. II. *Early English Text Society, Original Series*, 147, 1914 (for 1913).

FRANKLIN, SUSAN BRALEY. *Traces of Epic Influence in the Tragedies of Æschylus.* 81 p., O. Baltimore, The Friedenwald Company. 1895.

GENTRY, RUTH. *On the Forms of Plane Quartic Curves.* [7]+73 p., O. 13 pl. New York, Robert Drummond. 1896.

* Mrs. Francis Greenleaf Allinson.

- GIBBONS, VERNETTE LOIS. The Potentials of Silver in Non-aqueous Solutions of Silver Nitrate. 32 p., O. Easton, Pa., Eschenbach Printing Co. 1914.
- GRAHAM, MINNIE ALMIRA. A Study of the Change from Violet to Green in Solutions of Chromium Sulphate. 50 p., O. pl. 3. Easton, Pennsylvania, Eschenbach Printing Company. 1912.
- HALL, EDITH HAYWARD.* The Decorative Art of Crete in the Bronze Age. 47 p., 3 pl., Q. Philadelphia, The John C. Winston Co. 1907.
Reprint in part from *Transactions of the Department of Archaeology of the University of Pennsylvania*, vol. 2, part 1. 1906.
- HANNA, MARY ALICE. The Trade of the Delaware District before the Revolution. p. 239-248, O.
Reprint from *Smith College Studies in History*, 1917.
- HARMON, ESTHER. Johanna Schopenhauer. 115 p., O. Munich, Kastner and Callwey. 1914.
- HARPER, CARRIE ANNA. The Sources of the British Chronicle History in Spenser's Faerie Queene. 190 p., O. Philadelphia, The John C. Winston Co. 1910.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vii.
- HASEMAN, MARY GERTRUDE. On Knots with a Census of the Amphicheirals with twelve crossings. Edinburgh, 1918.
Reprint from *Transactions of the Royal Society of Edinburgh*, Vol. LII, 1917.
- HUSSEY, MARY INDA. Some Sumerian-Babylonian Hymns of the Berlin Collection. p. 142-176, O.
Reprint from *American Journal of Semitic Languages*, vol. 23, No. 2. January, 1907.
- JONAS, ANNA I., AND BLISS, ELEANORA F. Relation of the Wissahickon Mica-Gneiss to the Shenandoah Limestone and to the Octoraro Mica-Schist of the Doe Run-Avondale District, Coatesville, Quadrangle. Pennsylvania. 64 p., O. February, 1914.
- KING, HELEN DEAN. The Maturation and Fertilization of the Egg of *Bufo Lentiginosus*. p. 293-350, O. Boston, Ginn and Company. The Athenæum Press. 1901.
Reprint from *Journal of Morphology*, vol. 17, No. 2.
- LAIRD, ELIZABETH REBECCA. The Absorption Spectrum of Chlorine. p. 85-115, O.
Reprint from *Astrophysical Journal*, vol. 14, No. 2. September, 1901.
- LEFTWICH,† FLORENCE. *La Vie Seint Edmund le Rei*. An Anglo-Norman Poem of the Twelfth Century by Denis Piramus. p. 1-174, O. Philadelphia, The John C. Winston Co. 1906.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. v.

* Mrs. Joseph M. Dohan.

† Mrs. Samuel Prioleau Ravenel.

- LORD, ELEANOR LOUISA. The American Colonies as a Source of Naval Supplies for Great Britain. Published as Industrial Experiments in the British Colonies of North America. 10+154 p., O. *Johns Hopkins University Studies*, vol. 17. Baltimore, 1898.
- LOWATER, FRANCES. The Spectra of Sulphur Dioxide. p. 324-342, O. Reprint from the *Astrophysical Journal*, vol. 23, No. 4. May, 1906.
- LYON,* DOROTHY WILBERFORCE. *Christe qui lux es et dies* and its German, Dutch, and English Translations. p. 70-85 and p. 152-192, O. *American Journal of Philology*, vol. 19. 1898.
- MACDONALD, MARGARET BAXTER. A New Class of Disulphones. p. 1-21, O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.
- MADDISON, ISABEL. On Singular Solutions of Differential Equations of the First Order in Two Variables and the Geometrical Properties of Certain Invariants and Covariants of their Complete Primitives. p. 311-374, O.
Reprint from *Quarterly Journal of Mathematics*, vol. 28. 1896.
- MARTIN, EMILIE NORTON. On the Imprimitive Substitution Groups of Degree Fifteen and the Primitive Substitution Groups of Degree Eighteen. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1901.
Reprint from *American Journal of Mathematics*, vol. 23, No. 3.
- MEDES, GRACE. A Study of the Causes and Extent of Variations in the Larvæ of *Arbacia Punctulata*. p. 318-432, with 152 figs., O. Bryn Mawr, Pennsylvania. 1917.
Reprint from *Journal of Morphology*, vol. 30, No. 1. December, 1917.
- MINOR, JESSIE ELIZABETH. A Study of the Equilibrium in the Alcoholysis of Esters. 57 p., O. Easton, Pennsylvania. 1917.
- MORRISS, MARGARET SHOVE. Colonial Trade of Maryland. p. 1-157, O. Baltimore. Johns Hopkins Press. 1914.
- NEILSON, NELLIE. Economic Conditions on the Manors of Ramsay Abbey. 124 p., O. Philadelphia, printed by the press of Sherman and Company. 1899.
- NICHOLS,† HELEN HAWLEY. The Composition of the Elihu Speeches, Job, Chaps. XXXII-XXXVII. 95 p., O. 1911.
Reprint from *American Journal of Semitic Languages and Literatures*, vol. 28, No. 2 January, 1911.
- OGDEN, ELLEN SETON. The Origin of the Gunu-Signs in Babylonian. 144 p., O. Leipzig, printed by W. Drugulin. 1911.

* Mrs. Emmons Bryant.

† Mrs. Eugene Lyman Porter.

- PARKHURST, HELEN HUSS. Recent Logical Realism. 66 p., O. Bryn Mawr, Pennsylvania. 1917.
- PARRIS,* MARION. Total Utility and the Economic Judgment Compared with their Ethical Counterparts. 103 p., O. Philadelphia, The John C. Winston Co. 1909.
- PEEBLES, FLORENCE. Experiments in Regeneration and in Grafting of Hydrozoa. 53+[1] p., O. Leipzig, Wilhelm Engelmann. 1900.
- PEEBLES, ROSE JEFFRIES. The Legend of Longinus in Ecclesiastical Tradition and in English Literature and its Connection with the Grail. 221 p., O. Baltimore, printed by J. H. Furst Co. 1911.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. ix.
- PERKINS,† ELIZABETH MARY. The Expression of Customary Action or State in Early Latin. 77 p., O. Washington, D. C., printed by Judd and Detweiler. 1904.
- PERRY, LORINDA. The Millinery Trade in Boston and Philadelphia. A Study of Women in Industry. 122 p., O. Women's Educational and Industrial Union, Boston. Binghamton, N. Y. Vail-Ballou Press. 1916.
- PINNEY, EDITH. A Study of the Relation of the Behavior of the Chromatin to Development and Heredity in Teleost Hybrids. p. 225-260, O. Pl. 1-14.
Reprint from *Journal of Morphology*, Vol. 31, No. 2. September, 1918.
- RAGSDALE, VIRGINIA. On the Arrangement of the Real Branches of Plane Algebraic Curves. 28 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1906.
Reprint from *American Journal of Mathematics*, vol. 28, No. 4.
- RAND, GERTRUDE. The Factors that Influence the Sensitivity of the Retina to Color: A Quantitative Study and Methods of Standardizing. 166+xi p., O. Princeton, N. J. 1913.
Reprint from *The Psychological Monographs, Princeton, N. J.*
- REIMER, MARIE. The Addition Reactions of Sulphinic Acids. 31 p., O. Baltimore, The Friedenwald Company. The Lord Baltimore Press. 1902.
Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 2.
- REYNOLDS,‡ GRACE POTTER. The Reaction between Organic Magnesium Compounds and Unsaturated Compounds containing Alkoyxl Groups. 29 p., O. Easton, Pa., Eschenbach Printing Co. 1910.
- RITCHIE,§ MARY HELEN. A Study of Conditional and Temporal Clauses in Pliny the Younger. 57+[1] p., O. Philadelphia, Avil Printing Company. 1902.

* Mrs. William Roy Smith.

‡ Mrs. Winthrop Merton Rice.

† Mrs. Eric Charles William Scheel Lyders.

§ Died, 1905.

ROE,* ADAH BLANCHE. Anna Owena Hoyers, a Poetess of the Seventeenth Century. 128 p., O. Bryn Mawr, Pennsylvania. 1915.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xii.

SANDISON, HELEN ESTABROOK. The "Chanson d'Aventure" in Middle English. 152 p., O. Bryn Mawr, Pennsylvania, 1913.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xii.

SCHAEFFER,† HELEN ELIZABETH. A Study of the Electric Spark in a Magnetic Field. p. 121-149, 1 pl., O. 1908.

Reprint from *Astrophysical Journal*, vol. 28, 1908.

SCHENCK, EUNICE MORGAN. La part de Charles Nodier dans la formation des idées romantiques de Victor Hugo jusqu'à la *Preface de Cromwell*. 144 p., O. Bryn Mawr, Pennsylvania. 1914.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvi.

SCHMIDT, GERTRUD CHARLOTTE. Das Deminutivum im Mittelniederdeutschen und Mittelniederländischen. 157+[ix] p., O. Bornaleipzig, printed by Robert Noske. 1912.

SHEARER, EDNA ASTON. Hume's Place in Ethics. 86 p., O. Bryn Mawr, Pennsylvania. 1915.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xvii.

SMITH, LOUISE PETTIBONE. The Messianic Ideal of Isaiah. p. 158-212, O.

Reprint from *Journal of Biblical Literature*, vol. xxxvi, Parts 3 and 4. September to December, 1917.

SPALDING, MARY CAROLINE. Middle English Charters of Christ. cxxiv+100 p., O. Bryn Mawr, Pennsylvania. 1914.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xv.

STEVENS,‡ NETTIE MARIA. Further Studies on the Ciliate Infusoria, Lichophora, and Boveria. 45 p. 6 pl., O. 1903.

Reprint from *Archiv für Protistenkunde*, Bd. iii.

STITES, SARA HENRY. Economics of the Iroquois. 159+vii p., O. Lancaster, Pa., The New Era Printing Co. 1905.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. 1, No. 3.

SWEET, MARGUERITE. The Third Class of Weak Verbs in Primitive Teutonic with Special Reference to its Development in Anglo-Saxon. 49+[1] p., O. Baltimore, The Friedenwald Company. 1893.

SWINDLER, MARY HAMILTON. Cretan Elements in the Cult and Ritual of Apollo. 77 p., O. Bryn Mawr, Pennsylvania. 1913.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xiii.

TAYLOR, LILY ROSS. The Cults of Ostia. 100 p., O. Bryn Mawr, Pennsylvania. 1913.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. xi.

* Mrs. Herman Lommel.

† Mrs. William Bashford Huff. Died, 1913.

‡ Died, 1912.

TRAYER, HOPE. The Four Daughters of God. A Study of the Versions of this Allegory, with Especial Reference to Those in Latin, French, and English. 171 p., O. Philadelphia, The John C. Winston Co. 1907.

Reprint from *Bryn Mawr College Monographs, Monograph Series*, vol. vi.

URDAHL,* MARGERETHE. On Certain u-Diphthongs in the Heliand. 40 p., O. Göttingen, printed in the University Press by E. A. Huth. 1904.

WARREN,† WINIFRED. A Study of Conjunctional Temporal Clauses in Thukydides. 76+[3] p., O. Berlin, printed by Unger Brothers. 1897.

WHITE, FLORENCE DONNELL. Voltaire's Essay on Epic Poetry. A Study and an Edition. 167 p., O. Albany, N. Y., Brandow Printing Co. 1915.

WILLCOX, MARGUERITE. The Reversible Replacement of Alcohols in Aldehydealcoholates. 22 p., O. Easton, Pa. Eschenbach Printing Co. 1916.

WILLIS, GWENDOLEN BROWN. The Ancient Gods in Greek Romance. 54 p., O. Chicago, University of Chicago Press. 1905.

* Mrs. Lewis Albert Anderson.

† Mrs. George Arthur Wilson.

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
9	MATRICULATION	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
	GENERAL	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B. (G. de Laguna) Div. C (Sabin)
	MINOR	Greek, Plato (Sanders) French Literature Div. B (Schenck) Div. A. (Rivière) Economics, Introduction to Economics, Div. B (Franklin or ———) Ancient Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom)	Greek, Homer (Wright) French Reading and Composition, Div. B (Schenck) Div. A (Rivière) Economics, Introduction to Economics, Div. B (Franklin or ———) Hellenistic Towns (Carpenter) Mathematics, Trigonometry (Scott) Chemistry (Brunel) Geology (Bascom)
	MAJOR	Italian (Riddell) Psychology, Social Psychology (Leuba)	Italian (Riddell) Psychology, Social Psychology (Leuba)
	ELECTIVE	History of Mediæval Europe (David) Biology, Theoretical (Tennent)	History of the U. S. from 1865 (———) Mineral Resources of U. S. (Bissell)
	POST-MAJOR	Inorganic Chemistry (Crenshaw)	
	GRADUATE	Physics (Barnes)	
10	GENERAL	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
	MINOR	English, 19th Century Critics (Chew) German Grammar (Jessen) Spanish (Dorado) History of Europe, Div. A (David) Biology (Tennent)	English, 19th Century Critics (Chew) German Literature (Jessen) Spanish (Dorado) History of Europe, Div. A (David) Biology (Tennent)
	MAJOR	Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (Fernald)	Philosophy, Kant to Spencer (Sabin) Renaissance Sculpture (———)
	ELECTIVE	Private Law (Fenwick)	
	POST-MAJOR	Physics (Huff) Chemistry (Brunel)	Physical Chemistry (Crenshaw)
	GRADUATE	Petrography (Bascom)	Applied Psychology (Rand), 10-12
11	GENERAL	English Composition, 1st year (Savage)	English Composition, 1st year (Savage)
	MINOR	Italian (Riddell) Economics, Introduction to Economics, Div. A (—— or Franklin) Philosophy, History of (T. de Laguna) Greek Sculpture (Carpenter)	Italian (Riddell) Economics, Introduction to Economics, Div. A (—— or Franklin) Philosophy, History of (T. de Laguna) Ancient Painting (Swindler)
	MAJOR	Latin, Tacitus (Wheeler) Spanish Reading (Dorado) History, British Imperialism (———) Physics (Barnes) Chemistry (Crenshaw)	Latin Literature (Frank) Spanish Literature (Dorado) History, British Imperialism (———) Physics (Barnes) Chemistry (Crenshaw)
	ELECTIVE	History of the Near East (Barton) Educational Psychology (Arlitt)	Greek Religion and Myths (Wright) Education (Castro)
	GRADUATE	Systematic Psychology (Ferree)	
12	MATRICULATION	French (Crawford)	French (Crawford)
	MINOR	Latin, Cicero, Div. A (Wheeler) Div. B (Swindler) English, Middle English Romances (Patch) History of Europe, Div. B (Gray) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (———) Physics (Huff)	Latin, Horace, Div. B (Frank) Div. A (Swindler) English, Middle English Romances (Patch) History of Europe, Div. B (Gray) Psychology, Experimental (Ferree and Rand) Gothic Architecture (———) Physics (Huff)
	MAJOR	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Beck) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Peebles)	Greek Literature (Wright) English Drama (Chew) French Reading and Composition (Beck) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Peebles)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

FIRST SEMESTER, 1919-20.

WEDNESDAY	THURSDAY	FRIDAY
Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)	Philosophy, Div. A (T. de Laguna) Div. B (G. de Laguna) Div. C (Sabin)
Greek, Plato (Sanders) French Literature Div. B (Schenck) Div. A (Rivière)	Greek, Homer (Wright) French Reading and Composition Div. B (Schenck) Div. A (Rivière)	Greek, Sophocles (Sanders) French Literature Div. B (Schenck) Div. A (Rivière)
Economics, Introduction to Economics, Div. B (Franklin or ———)	Economics, Introduction to Economics, Div. B (Franklin or ———)	Economics, Introduction to Economics, Div. B (Franklin or ———)
Ancient Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom)	Hellenistic Towns (Carpenter) Mathematics, Trigonometry (Scott) Chemistry, Demonstration (Brunel) Geology, Demonstration (Bascom)	Ancient Architecture (Carpenter) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom)
Italian (Riddell) Psychology, Social Psychology (Leuba)	Italian (Riddell) Psychology, Social Psychology (Leuba)	Italian (Riddell) Psychology, Social Psychology (Leuba)
History of Mediæval Europe (David)	History of the U. S. from 1865 (———) Mineral Resources of U. S. (Bissell)	History of Mediæval Europe (David) Historical Development of Physics (Huff)
Physics (Barnes)	Physics Journal Club (Huff and Barnes) Biology Journal Club (Tennent and Peebles)	Physics (Barnes)
English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
English, 19th Century Critics (Chew) German Reading (Jessen) Spanish (Dorado) History of Europe, Div. A (David) Biology (Tennent)	English, 19th Century Critics (Chew) German Literature (Jessen) Spanish (Dorado) History of Europe, Div. A (David) Biology, Demonstration (Tennent)	English, 19th Century Critics (Chew) German Reading (Jessen) Spanish (Dorado) History of Europe, Div. A (David) Biology (Tennent)
Philosophy, Kant to Spencer (Sabin) 7th and 18th Cent. Painting (Fernald)	Philosophy, Kant to Spencer (Sabin) Renaissance Sculpture (———)	Philosophy, Kant to Spencer (Sabin) 17th and 18th Cent. Painting (Fernald)
Physics (Huff) Chemistry (Brunel)	Physical Chemistry (Crenshaw)	Physics (Huff) Chemistry (Brunel)
Petrography (Bascom)		Petrography (Bascom)
English Composition, 1st year (Savage)	English Composition, 1st year (Savage)	English Composition, 1st year (Savage)
Italian (Riddell)	Italian (Riddell)	Italian (Riddell)
Economics, Introduction to Div. A (——— or Franklin)	Economics, Introduction to Div. A (——— or Franklin)	Economics, Introduction to Div. A (——— or Franklin)
Philosophy, History of (T. de Laguna) Greek Sculpture (Carpenter)	Philosophy, History of (T. de Laguna) Ancient Painting (Swindler)	Philosophy, History of (T. de Laguna) Greek Sculpture (Carpenter)
Latin, Tacitus (Wheeler) Spanish Grammar (Dorado) History, British Imperialism (———) Physics (Barnes) Chemistry (Crenshaw)	Latin Literature (Frank) Spanish Literature (Dorado) History, British Imperialism (———) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)	Latin, Tacitus (Wheeler) Spanish Reading (Dorado) History, British Imperialism (———) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)
History of the Near East (Barton) Educational Psychology (Arlitt) Mathematics (Scott) Systematic Psychology (Ferree)	Greek Religion and Myths (Wright) Education (Castro)	History of the Near East (Barton) Educational Psychology (Arlitt) Systematic Psychology (Ferree)
French (Crawford)	French (Crawford)	French (Crawford)
Latin, Cicero, Div. A (Wheeler) Div. B (Swindler)	Latin, Horace, Div. B (Frank) Div. A (Swindler)	Latin, Cicero, Div. A (Wheeler) Div. B (Swindler)
English, Middle English Romances (Patch) History of Europe, Div. B (Gray) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (———) Physics (Huff)	English, Middle English Romances (Patch) History of Europe, Div. B (Gray) Psychology, Experimental (Ferree and Rand) Gothic Architecture (———) Physics, Demonstration (Huff)	English, Middle English Romances (Patch) History of Europe, Div. B (Gray) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (———) Physics (Huff)
Greek, Aristophanes (Sanders) English Drama (Chew) French Literature (Beck) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Peebles)	Greek Literature (Wright) English Drama (Chew) French Reading and Composition (Beck) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Peebles)	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Beck) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Peebles)
	Chemistry Journal Club (Brunel and Crenshaw)	

SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Tennent)
	MINOR	Spanish, Div. B (——)	Spanish, Div. B (——)
	ELECTIVE	Technique of the Drama (Savage)	Technique of the Drama (Savage)
	POST-MAJOR	Greek, Attic Orators (Sanders)	Greek, Attic Orators (Sanders)
3		French, Evolution of the Essay (Rivière) Economics and Politics, Economic and Social Legislation (——) Spanish Painting (——) Mathematics (Scott)	French, Evolution of the Essay (Rivière) Economics and Politics, Economic and Social Legislation (——) Spanish Painting (——) Mathematics (Scott)
	GRADUATE	Cynewulf and Caedmon (Patch), 2.30-4.30 Italian Seminary (Riddell), 2-4 Social Treatment (Kellogg) Seminary in Metaphysics (G. de Laguna), 2-4.	Seminary in Municipal Government (Franklin) Social Treatment (Kellogg)
	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (Arlitt) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Tennent)
	ELECTIVE	Elocution, Reading of Shakespeare (S. A. King) Biblical Literature (Barton) Social Betterment (Kingsbury)	Elocution, Reading of Shakespeare (S. A. King) History of the Far East (Barton) Social Betterment (Kingsbury) Advanced Experimental Psychology (Ferree)
4	POST-MAJOR	Greek, Melic Poets (Wright) Latin, Lucretius and Catullus (Frank) History, American Constitutional (——)	Latin, Lucretius and Catullus (Frank) History, American Constitutional (——) Mathematics (Pell)
	GRADUATE	Teutonic Seminary, 3-5 Foundations of French Grammar (Beck) Seminary in Social Institutions (Kellogg) Advanced Social Statistics (Bezanson) Psychology Journal Club (Leuba, Ferree, and Rand) Seminary in Modern Painting (——), 3-5	Greek Seminary, Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Seminary in French Literature (Schenck), 3-4.30 Seminary in Social Institutions (Kellogg) Advanced Social Statistics (Bezanson)
		Latin Seminary, Roman Epic (Frank), 4-6 Seminary in Medieval French Literature (Beck), 4-6 Seminary in New Testament Greek (Barton) History Journal Club (Gray, David), 4-6. Alternate Weeks Economics Journal Club (Fenwick, Franklin), 4-6. Alternate Weeks	Greek Journal Club (Sanders and Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and Frank), 4.30-6. Alternate Weeks Middle English Seminary (Patch), 4.30-6 German Journal Club (Jessen), 4.30-6. Alternate Weeks Semitic Seminary (Barton) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6
	GRADUATE	Social Economy Journal Club (Kingsbury, Kellogg, Bezanson), 4-6. Alternate Weeks Seminary in Social Economy, Practicum (Kingsbury and Kellogg), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Seminary in Zoology (Tennent), 4.30-6	Seminary in Educational Psychology (Castro), 4-6 Mathematical Journal Club (Scott and Pell), Alternate Weeks Seminary in Physiology 4.30-6 (Peebles)
5	GRADUATE	Introduction to Teutonic Philology Spanish Seminary (Dorado)	French, Texts (Rivière) Hebrew Literature (Barton)

FIRST SEMESTER, 1919-20 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>Spanish, Div. B (———)</p> <p>Greek, Sophocles (Sanders) Latin, Composition (Frank) German, Reading (Jessen) French, Short Story (Schenck) Economics and Politics, Economic and Social Legislation (———) Spanish Painting (———) Biology, Embryology (Tennent)</p> <p>Archæological Seminary (Carpenter), 2-4 Advanced Old French Philology (Beck) Social Treatment (Kellogg) Intelligence Tests (Arlitt), 2-4 Geology Journal Club (Bascom and Bissell), 2.15-4.15. Alternate Weeks</p>	<p>Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (Peebles)</p> <p>Spanish, Div. B (———)</p> <p>German Literature (Jessen) French, Short Story (Schenck) Economics and Politics, International Law (Fenwick) Chinese and Japanese Art (Fernald)</p> <p>Seminary in European History (Gray) Seminary in Industrial Organization (Bezanson) Ægean Archæology (Swindler), 2-4</p>	<p>Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (Peebles)</p> <p>Spanish, Div. B (———)</p> <p>German Literature (Jessen) French, Short Story (Schenck) Economics and Politics, International Law (Fenwick) Chinese and Japanese Art (Fernald)</p> <p>Greek Seminary, Aristophanes (Wright), 2-4</p>
<p>Criticism (Crandall)</p> <p>Biblical Literature (Barton) Elements of Statistics (Bezanson)</p> <p>Greek, Melic Poets (Wright) Latin, Lucretius and Catullus (Frank) England to 1485 (Gray) Mathematics (Pell) Biology, Nervous System (Peebles)</p> <p>German, Literary Criticism (Jessen) Gothic Seminary in Politics (Fenwick)</p> <p>Mathematics Seminary (Scott) 3-5</p>	<p>Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (Peebles)</p> <p>Daily Themes (Crandall)</p> <p>History of the Far East (Barton)</p> <p>Roman Satire (Wheeler) England to 1485 (Gray)</p> <p>Greek Seminary, Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Seminary in French Literature (Schenck), 3-4.30 Comp. Teutonic Grammar Philosophical Journal Club (Theodore de Laguna, Grace de Laguna, and Sabin), 3-4.30</p>	<p>Physics, Minor (Huff) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (Peebles)</p> <p>Roman Satire (Wheeler) England to 1485 (Gray) Mathematics (Pell)</p> <p>English Journal Club (Donnelly, Chew, Savage, Crandall, Patch), 3-4.30. Alternate Weeks Gothic Romance Languages Journal Club (Schenck, Beck, Rivière, Riddell, and Dorado), 3-4.30. Alternate Weeks Archæological Journal Club (Carpenter, Swindler), 3-4.30. Alternate Weeks</p>
<p>Latin Seminary, Roman Lyric (Wheeler), 4.30-6 Seminary in English Composition (Crandall), 4-6 Middle High German Romance Philology (Beck), 4.30-6 Spanish Seminary, (Dorado), 4-6 Seminary in History of Religion (Barton) Seminary in American History (———), 4-6 Seminary in Social Research (Kingsbury), 4-6 Seminary in Ethics (Theodore de Laguna), 4-6 Seminary in Education (Castro), 4-6</p> <p>Seminary in Zoology (Tennent), 4.30-6</p>	<p>Middle English Seminary (Patch), 4.30-6 Seminary in German Literature (Jessen), 4-6 Semitic Seminary (Barton) Historical Method and Bibliography (David) Seminary in Municipal Government (Franklin), 4-6 Seminary in Social Theory (Kellogg), 4-6 Seminary in Social Psychology (Leuba), 4-6 Education Journal Club (Castro and Arlitt), 4.30-6 Mathematics Seminary (Pell), 4-6 Journal Club in History of Art (———), 4.30-6. Alternate Weeks Seminary in Physiology (Peebles), 4.30-6</p>	<p>Latin Seminary, Roman Lyric (Wheeler), 4.30-6 Middle High German Romance Philology (Beck) 4.30-6 Seminary in Economics (———), 4-6</p> <p>Seminary in Social Education (Castro), 4-6</p>
<p>Old High German</p>	<p>French Texts (Rivière) Ethiopic (Barton)</p>	<p>Old High German</p>

SCHEDULE OF LECTURES,

Hour	COURSE	MONDAY	TUESDAY
9	MATRICULATION	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
	GENERAL	Psychology, Div. A (Leuba) Div. B (Sabin)	Psychology, Div. A (Leuba) Div. B (Sabin)
	MINOR	Greek, Euripides (Sanders) French, 19th Century Literature, Div. B (Rivière) Div. A (———) Ancient Architecture (Carpenter) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)	Greek, Homer (Wright) French Reading and Composition, Div. B (Rivière) Div. A (———) Ancient Rome (Swindler) Mathematics, Algebra (Pell) Chemistry Laboratory (Crenshaw) Geology Laboratory (Bissell)
	MAJOR	Italian (Riddell) Psychology, Applied (Rand)	Italian (Riddell) Psychology, Applied (Rand)
	ELECTIVE	History of Mediæval Europe (David) Biology, Theoretical (Tennent)	History of the U. S. from 1865 (———) Mineral Resources of U. S. (Bissell)
	GRADUATE	Physics (Barnes)	
10	GENERAL	English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)
	MINOR	English Romantic Poets (Donnelly) English Mid. Eng. Poetry and Chaucer (Patch) German Grammar (Jessen) Spanish (Dorado) History from 1517 to 1789 (———) Biology (Peebles)	English Romantic Poets (Donnelly) English Mid. Eng. Poetry and Chaucer (Patch) German Literature (Jessen) Spanish (Dorado) History from 1517 to 1789 (———) Biology Laboratory (Peebles)
	MAJOR	Recent Philosophical Tendencies (T. de Laguna) 17th and 18th Century Painting (Fernald)	Recent Philosophical Tendencies (T. de Laguna) Renaissance Sculpture (———)
	ELECTIVE	Private Law (Fenwick)	
	POST-MAJOR	Physics (Huff) Chemistry (Brunel)	Physical Chemistry (Crenshaw)
	GRADUATE	Petrography (Bascom)	Applied Psychology (Rand), 10-12
11	GENERAL	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
	MINOR	Italian (Riddell) Introduction to Government and Politics, Div. A (Fenwick or Franklin) Elementary Logic and Ethics (Sabin) Greek Sculpture (Carpenter)	Italian (Riddell) Introduction to Government and Politics, Div. A (Fenwick or Franklin) Elementary Logic and Ethics (Sabin) Archæology, Minor Arts (Carpenter)
	MAJOR	Latin Comedy (Wheeler) Spanish Reading (Dorado) History of the Renaissance (Gray) Physics (Huff) Chemistry (Brunel)	Latin Literature (Frank) Spanish Literature (Dorado) History of the Renaissance (Gray) Physics (Huff) Chemistry (Brunel)
	ELECTIVE	History of the Near East (Barton) Educational Psychology (Arlitt)	Literary Geography (Wright) Education (Castro)
	POST-MAJOR		Geology (Bascom)
	GRADUATE	Systematic Psychology (Ferree)	
12	MATRICULATION	French (Rivière)	French (Rivière)
	MINOR	Latin, Terence, Div. B (Wheeler) Div. A (Swindler) Ancient Civilisation (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (———) Physics (Barnes)	Latin Horace, Div. A (Frank) Div. B (Swindler) Ancient Civilisation (David) Psychology of Instinct and Emotion (Leuba) Gothic Architecture (———) Physics Laboratory (Barnes)
	MAJOR	Greek, Thucydides (Sanders) English Literature from Dryden to Johnson (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (———) Mathematics (Scott) Geology (Bascom) Biology (Tennent)	Greek Literature (Wright) English Literature from Dryden to Johnson (Chew) French, Reading and Composition (Schenck) Econ., Hist. of Econ. Thought (———) Mathematics (Scott) Geology (Bascom) Biology (Tennent)
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

SECOND SEMESTER, 1919-20.

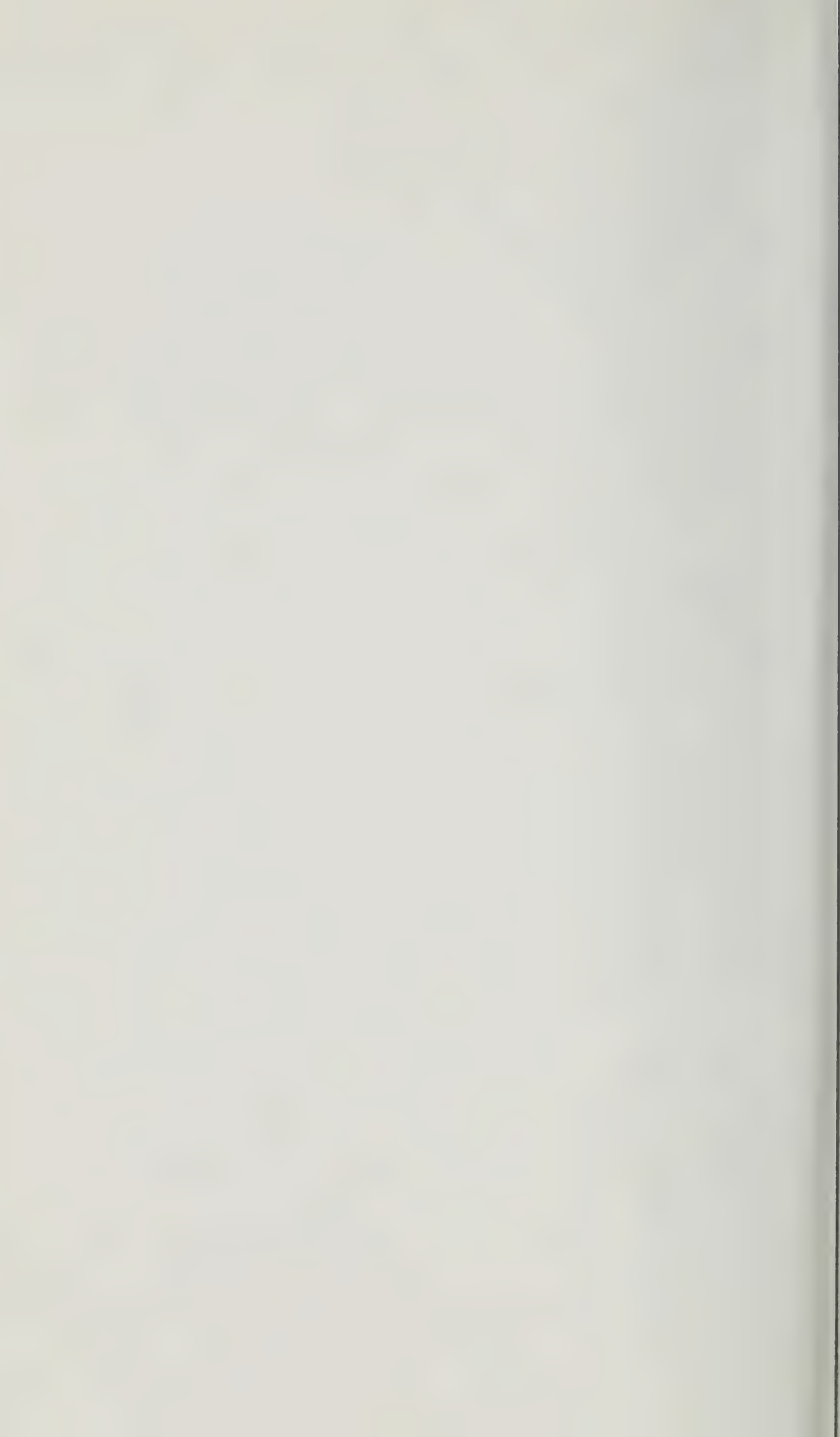
WEDNESDAY	THURSDAY	FRIDAY
Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)	Greek (Kirk) German (Quimby)
Psychology, Div. A (Leuba) Div. B (Sabin)	Psychology, Div. A (Leuba) Div. B (Sabin)	Psychology, Div. A (Leuba) Div. B (Sabin)
Greek, Euripides (Sanders)	Greek, Homer (Wright)	Greek, Herodotus (Sanders)
French, 19th Century Literature, Div. B (Rivière) Div. A (———)	French, Reading and Composition, Div. B (Rivière) Div. A (———)	French, 19th Century Literature, Div. B (Rivière) Div. A (———)
Ancient Architecture (Carpenter)	Ancient Rome (Swindler)	Ancient Architecture (Carpenter)
Mathematics, Calculus (Pell)	Mathematics, Algebra (Pell)	Mathematics, Calculus (Pell)
Chemistry (Crenshaw)	Chemistry, Demonstration (Crenshaw)	Chemistry (Crenshaw)
Geology (Bissell)	Geology, Demonstration (Bissell)	Geology (Bissell)
Italian (Riddell)	Italian (Riddell)	Italian (Riddell)
Psychology, Applied (Rand)	Psychology Applied (Rand)	Psychology, Applied (Rand)
History of Mediæval Europe (David)	History of the U. S. from 1865 (———) Mineral Resources of U. S. (Bissell)	History of Mediæval Europe (David) Historical Development of Physics (Huff)
Physics (Barnes)	Physics Journal Club (Huff and Barnes) Biology Journal Club (Tennent and Peebles)	Physics (Barnes)
English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)	English Composition, 2nd year (Savage)
English Romantic Poets (Donnelly)	English Romantic Poets (Donnelly)	English Romantic Poets (Donnelly)
English Mid. Eng. Poetry and Chaucer (Patch)	English Mid. Eng. Poetry and Chaucer (Patch)	English Mid. Eng. Poetry and Chaucer (Patch)
German Reading (Jessen)	German Literature (Jessen)	German Reading (Jessen)
Spanish (Dorado)	Spanish (Dorado)	Spanish (Dorado)
History from 1517 to 1789 (———)	History from 1517 to 1789 (———)	History from 1517 to 1789 (———)
Biology (Peebles)	Biology, Demonstration (Peebles)	Biology (Peebles)
Recent Philosophical Tendencies (T. de Laguna)	Recent Philosophical Tendencies (T. de Laguna)	Recent Philosophical Tendencies (T. de Laguna)
17th and 18th Century Painting (Fernald)	Renaissance Sculpture (———)	17th and 18th Century Painting (Fernald)
Physics (Huff)	Middle High German	Physics (Huff)
Chemistry (Brunel)	Physical Chemistry (Crenshaw)	Chemistry (Brunel)
Petrography (Bascom)		Petrography (Bascom)
English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
Italian (Riddell)	Italian (Riddell)	Italian (Riddell)
Introduction to Government and Politics, Div. A (Fenwick or Franklin)	Introduction to Government and Politics, Div. A (Fenwick or Franklin)	Introduction to Government and Politics, Div. A (Fenwick or Franklin)
Elementary Logic and Ethics (Sabin)	Elementary Logic and Ethics (Sabin)	Elementary Logic and Ethics (Sabin)
Greek Sculpture (Carpenter)	Archæology, Minor Arts (Carpenter)	Greek Sculpture (Carpenter)
Latin Comedy (Wheeler)	Latin Literature (Frank)	Latin Comedy (Wheeler)
Spanish Grammar (Dorado)	Spanish Literature (Dorado)	Spanish Reading (Dorado)
History of the Renaissance (Gray)	History of the Renaissance (Gray)	History of the Renaissance (Gray)
Physics (Huff)	Physics Laboratory (Huff)	Physics Laboratory (Huff)
Chemistry (Brunel)	Chemistry Laboratory (Brunel)	Chemistry Laboratory (Brunel)
Mathematics (Scott)	Literary Geography (Wright)	History of the Near East (Barton)
History of the Near East (Barton)	Education (Castro)	Educational Psychology (Arlitt)
Educational Psychology (Arlitt)		
Systematic Psychology (Ferree)		Systematic Psychology (Ferree)
French (Rivière)	French (Rivière)	French (Rivière)
Latin, Terence, Div. B (Wheeler) Div. A. (Swindler)	Latin, Horace, Div. A (Frank) Div. B (Swindler)	Latin, Terence, Div. B (Wheeler) Div. A (Swindler)
Ancient Civilisation (David)	Ancient Civilisation (David)	Ancient Civilisation (David)
Psychology of Instinct and Emotion (Leuba)	Psychology of Instinct and Emotion (Leuba)	Psychology of Instinct and Emotion (Leuba)
Italian Renaissance Painting (———)	Gothic Architecture (———)	Italian Renaissance Painting (———)
Physics (Barnes)	Physics, Demonstration (Barnes)	Physics (Barnes)
Greek, Sophocles (Sanders)	Greek Literature (Wright)	Greek, Thucydides (Sanders)
English Literature from Dryden to Johnson (Chew)	English Literature from Dryden to Johnson (Chew)	English Literature from Dryden to Johnson (Chew)
French Literature (Schenck)	French, Reading and Composition (Schenck)	French Literature (Schenck)
Econ., Hist. of Econ. Thought (———)	Econ., Hist. of Econ. Thought (———)	Econ., Hist. of Econ. Thought (———)
Mathematics (Scott)	Mathematics (Scott)	Mathematics (Scott)
Geology (Bascom)	Geology Laboratory (Bascom)	Geology Laboratory (Bascom)
Biology (Tennent)	Biology Laboratory (Tennent)	Biology Laboratory (Tennent)
	Chemistry Journal Club (Brunel and Crenshaw)	

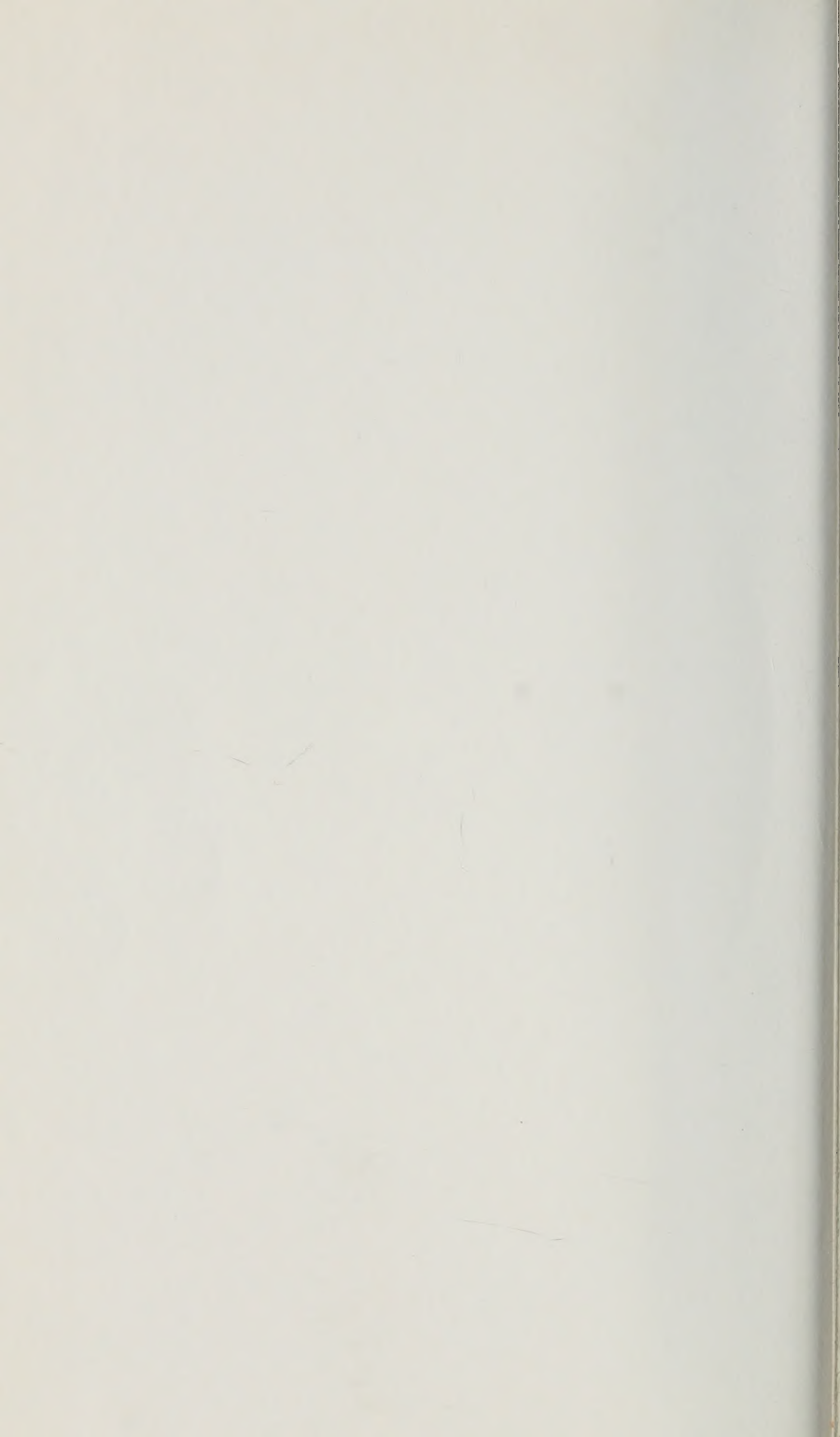
SCHEDULE OF LECTURES,

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (Bascom) Biology, Minor (Peebles)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Minor (Peebles)
	MINOR	Spanish, Div. B (——)	Spanish, Div. B (——)
	ELECTIVE	Technique of the Drama (Savage)	Technique of the Drama (Savage)
	POST-MAJOR	Greek, Æschylus (Sanders)	Greek, Æschylus (Sanders)
	GRADUATE	French, Evolution of the Essay (Rivière) Economics and Politics, Economic and Social Legislation (——) Spanish Painting (——) Mathematics (Scott) Cynwulf and Caedmon (Patch), 2.30-4.30 Italian Seminary (Riddell), 2-4 Social Treatment (Kellogg)	French, Evolution of the Essay (Rivière) Economics and Politics, Economic and Social Legislation (——) Spanish Painting (——) Mathematics (Scott) Seminary in Municipal Government (Franklin) Social Treatment (Kellogg) Seminary in Metaphysics (G. de Laguna), 2-4
3	LABORATORY WORK	Educational Psychology (Arlitt) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (Bascom) Biology, Minor (Peebles)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Minor (Peebles)
	ELECTIVE	Elocution, Reading of Shakespeare (S. A. King) Biblical Literature (Barton) Social Betterment (Kingsbury)	Elocution, Reading of Shakespeare (S. A. King) History of the Far East (Barton) Social Betterment (Kingsbury) Advanced Experimental Psychology (Ferree)
	POST-MAJOR	Greek, Plato (Wright) Latin, Cicero and Cæsar (Frank) History, American Constitutional (——)	Latin, Cicero and Cæsar (Frank) History, American Constitutional (——) Mathematics (Pell)
	GRADUATE	Teutonic Seminary, 3-5 Foundations of French Grammar (Beck) Legal Procedure (Kellogg) Advanced Social Statistics (Bezanson) Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Modern Painting (——), 2-4	Greek Seminary, Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Seminary in French Literature (Schenck), 3-4.30 Legal Procedure (Kellogg)
4	GRADUATE	Latin Seminary, Roman Epic (Frank), 4-6 Seminary in English Literature (Donnelly), 4-6 Seminary in Mediæval French Literature (Beck), 4-6 Seminary in New Testament Greek (Barton) History Journal Club (Gray and David), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick, Franklin), 4-6. Alternate Weeks Seminary in Social Economy Practicum (Kingsbury and Kellogg), 4-6. Alternate Weeks Social Economy Journal Club (Kingsbury, Kellogg, Bezanson), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6	Greek Journal Club (Sanders and Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler and Frank), 4.30-6. Alternate Weeks Middle English Seminary (Patch), 4.30-6 German Journal Club (Jessen), 4.30-6. Alternate Weeks Semitic Seminary (Barton) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Ethics (Theodore de Laguna), 4-6 Seminary in Educational Psychology, (Castro), 4-6 Mathematical Journal Club (Scott and Pell). Alternate Weeks
	GRADUATE	Seminary in Zoology (Tennent), 4.30-6	Seminary in Physiology (Peebles), 4.30-6
5	GRADUATE	Introduction to Teutonic Philology Spanish Seminary (Dorado)	French Texts (Rivière) Hebrew Literature (Barton)

SECOND SEMESTER, 1919-20 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>Chemistry, Major (Brunel)</p> <p>Spanish, Div. B. (———)</p> <p>Greek, Prose Composition (Sanders) Latin, Composition (Frank) German, Reading (Jessen) French, Short Story (Schenck) Economics and Politics, Economic and Social Legislation (———) Spanish Painting (———) Biology, Embryology (Tennent)</p> <p>Advanced Old French Philology (Beck), 2-4 Archaeological Seminary (Carpenter), 2-4 Social Treatment (Kellogg) Intelligence Tests (Arlitt), 2-4 Geology Journal Club (Bascom and Bissell), 2.15-4.15. Alternate Weeks</p>	<p>Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Tennent)</p> <p>Spanish, Div. B. (———)</p> <p>Versification (Crandall)</p> <p>German Literature (Jessen) French, Short Story (Schenck) Economics and Politics, International Law (Fenwick) Chinese and Japanese Art (Fernald)</p> <p>Seminary in European History (Gray) Seminary in Industrial Organization (Bezanson), 2-4 Ancient Painting (Swindler)</p>	<p>Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Tennent)</p> <p>Spanish, Div. B. (———)</p> <p>German Literature (Jessen) French, Short Story (Schenck) Economics and Politics, International Law (Fenwick) Chinese and Japanese Art (Fernald)</p> <p>Greek Seminary, Aristophanes (Wright), 2-4</p>
<p>Chemistry, Major (Brunel)</p> <p>Criticism (Crandall)</p> <p>Biblical Literature (Barton) Elements of Statistics (Bezanson)</p> <p>Greek, Plato (Wright) Latin, Cicero and Cæsar (Frank) History, England to 1485 (Gray) Mathematics (Pell) Biology, Nervous System (Peebles)</p> <p>German, The Essay (Jessen) Gothic Seminary in Politics (Fenwick) Seminary in Mathematics (Scott), 3-5</p>	<p>Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Tennent)</p> <p>The Short Story (Crandall)</p> <p>History of the Far East (Barton)</p> <p>Roman Satire (Wheeler) History, England to 1485 (Gray)</p> <p>Greek Seminary, Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Comparative Teutonic Grammar Seminary in French Literature (Schenck), 3-4.30 Philosophical Journal Club (Theodore de Laguna, Grace de Laguna, and Sabin), 3-4.30</p>	<p>Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Tennent)</p> <p>——— (Kingsbury)</p> <p>Roman Satire (Wheeler) History, England to 1485 (Gray) Mathematics (Pell)</p> <p>English Journal Club (Donnelly, Chew, Savage, Crandall and Patch), 3-4.30. Alternate Weeks Gothic Romance Languages Journal Club (Schenck, Beck, Rivière, Riddell and Dorado), 3-4.30. Alternate Weeks Archaeological Journal Club (Carpenter and Swindler), 3-4.30. Alternate Weeks</p>
<p>Latin Seminary, Roman Lyric (Wheeler), 4.30-6 Seminary in English Composition (Crandall), 4-6 Middle High German Romance Philology (Beck), 4.30-6 Spanish Seminary (Dorado) Seminary in History of Religion (Barton) Historical Method and Bibliography (David) Seminary in Municipal Government (Franklin), 4-6 Seminary in American History (———), 4-6 Seminary in Social Research (Kingsbury), 4-6 Seminary in Social and Political Philosophy (T. de Laguna), 4-6 Seminary in Principles and Methods of Education (Castro), 4-6 Seminary in Zoology (Tennent), 4.30-6</p> <p>Old High German Spanish Seminary (———)</p>	<p>Middle English Seminary (Patch), 4.30-6 Seminary in German Literature (Jessen), 4-6 Semitic Seminary (Barton) Historical Method and Bibliography (David) Seminary in Municipal Government (Franklin), 4-6 Seminary in Social Theory (Kellogg), 4-6 Mathematics Seminary (Pell)</p> <p>Journal Club in History of Art (———), 4.30-6. Alternate Weeks Education Journal Club (Castro and Arlitt), 4.30-6</p> <p>Seminary in Physiology (Peebles), 4.30-6</p> <p>French Texts (Rivière) Ethiopic (Barton)</p>	<p>Latin Seminary, Roman Lyric (Wheeler), 4.30-6.</p> <p>Middle High German Romance Philology (Beck), 4.30-6 Seminary in Economics (———), 4-6 Seminary in Petrology (Bascom), 4.30-6</p> <p>Old High German</p>





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